

**WARM SPRINGS VALLEY  
GROUND WATER USE INVENTORY  
WATER YEAR 2000**

By: Michael J. Anderson, HE III, P.E.

Nevada Division of Water Resources  
Office of the State Engineer

## CONTENTS

	<u>PAGE</u>
I. REPORT	1
II. LEGEND	7
III. NUMERICAL LISTING AND SUMMARY OF WATER PUMPED	10
IV. WATER PUMPED BY PERMIT	
A. CENTRAL AREA	17
B. SOUTHERN AREA	37
C. WESTERN AREA	42
V. FIGURES	
A. ESTIMATED TOTAL WATER USE	3
B. WATER PUMPED BY USE TYPE	4
C. HYDROGRAPHS OF SELECTED WELLS	47
VI. SELECTED BIBLIOGRAPHY	53
VII. MAP	Pocket in Back

## **PURPOSE AND SCOPE**

This document is intended to quantify groundwater use in Warm Springs Valley and inventory ground water resources allocated by the Nevada Division of Water Resources (Office of the State Engineer) for that period beginning ~~October 1, 1999~~ and ending ~~September 30, 2000~~ (hereinafter referred to as the 2000 water year).

Warm Springs Valley (AKA: Palomino Valley) lies north and east of the Reno-Sparks area approximately 12 miles along S.R. 445 (Pyramid Lake Highway) encompassing an area of about 250 square miles. Very little dependable surface water exists at the valley floor so underground sources provide the majority of the water placed to beneficial use. Warm Springs Creek from the north and Cottonwood Creek from the south drain into the valley from the surrounding mountains and are fully appropriated before they reach the valley floor. Mullen Creek intercepts drainage that overflows from Warm Springs Valley and conveys it to Pyramid Lake Valley on the northeast. Warm Springs and Cottonwood Creeks are perennial near the mountains but only reach the valley floor during periods of heavy runoff and, on rare occasion, overflow into Mullen Creek an ephemeral stream. Several additional small named streams exist within the limits of Warm Springs Valley but none reach the valley floor on a regular basis.

## **SUB AREAS**

The sub areas herein do not represent drainage sub basins as defined by the State Engineer. The boundaries of the sub areas were determined by the intensity of water use and physical features. The sub areas are: West (W), Central (C) and South (S) (see map).

## **PROCEDURES AND SUMMARY**

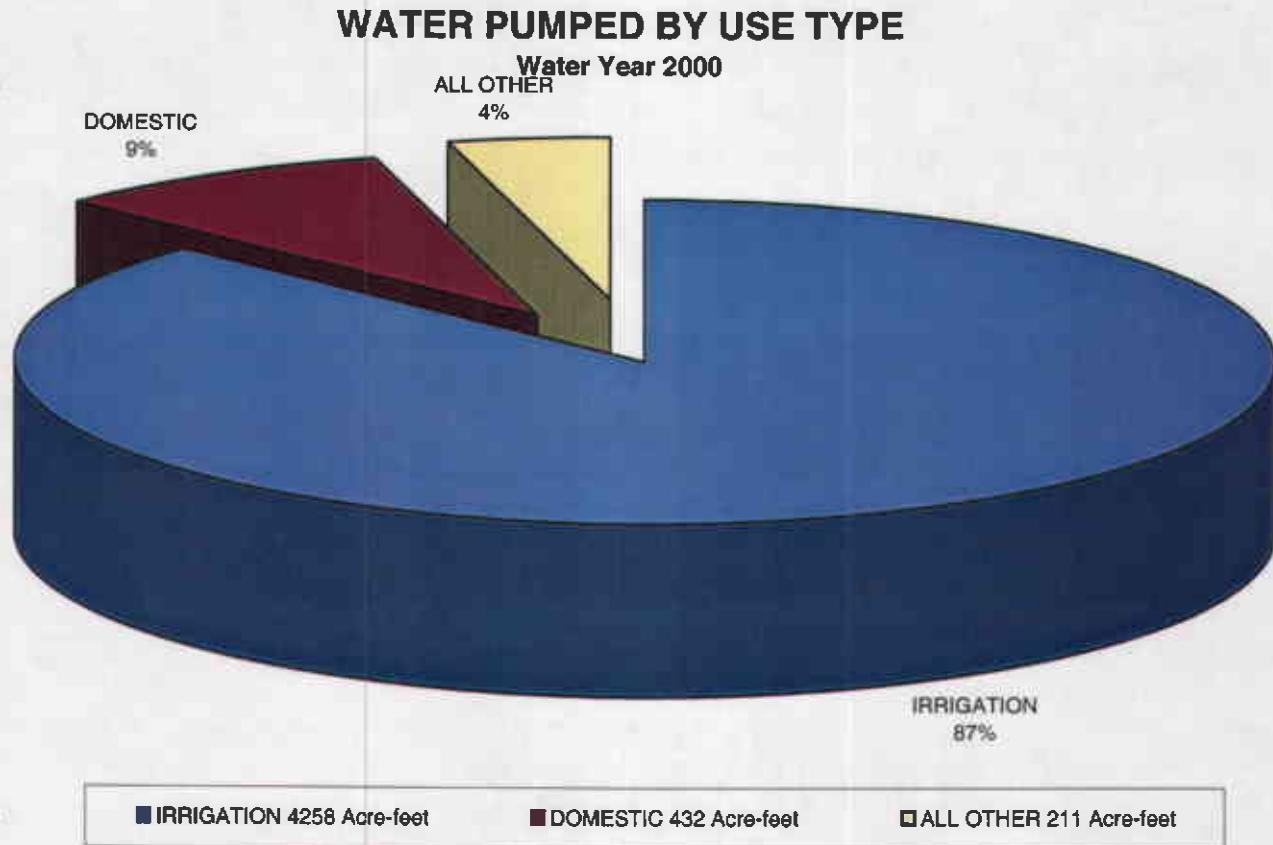
The 2000 crop and water use inventory was conducted

primarily during September and October of 2000. All permitted and certificated water rights were also field checked at least once during the growing season to verify culture and estimate of water use. Those areas under irrigation from multiple rights from the same well will have the total use pro-rated over the entire area under irrigation regardless of culture. This means that the water pumped is divided up amongst the valid permits and uniformly "spread out" over the place of use actually irrigated. This becomes complex when temporary rights enter the picture. In any event, the total water pumped will be as accurate as the meter readings allow.

Total use from all sources, including domestic wells, was estimated as 4902 acre-feet (see pg. 3). This decrease from the 1999 pumping volume reflects a reduced irrigation water application rate due to haying season rains. The instances of pumping in excess of the allowed duty decreased by 35% in this water year and total water diverted was still well below the total committed (permitted) duty. In the two most flagrant over-use instances, a failed meter and a misunderstanding of the permitting process (movement of existing rights) were involved.

Irrigation continues to represent the primary consumption of water with alfalfa, onion, garlic and turf as the major crops. An estimated 4258 acre-feet was pumped to this use. The greatest concentration of irrigated land lies east of the Pyramid Lake Highway in the central sub area on and near land formerly controlled by MCO Properties, Inc. The next largest area of irrigation is in the west sub area scattered along the Winnemucca Ranch Road north of Range Land Road and on the Winnemucca Ranch. Additional irrigated land lies scattered about the valley in 0.5 to 20.0 acre fields usually accompanied by single-family dwellings.

Domestic use was estimated from a count of domestic wells drilled in the valley at 432 acre-feet. The count was cross-referenced to Washoe County Assessor's records for parcels with dwellings to increase accuracy. Since the landscaping is



typically minimal unless a water right (permit) is attendant, the annual duty was estimated based upon a diversion rate of 1000 gallons per day. This yields an annual duty of 1.12 acre-feet annually per well in use.

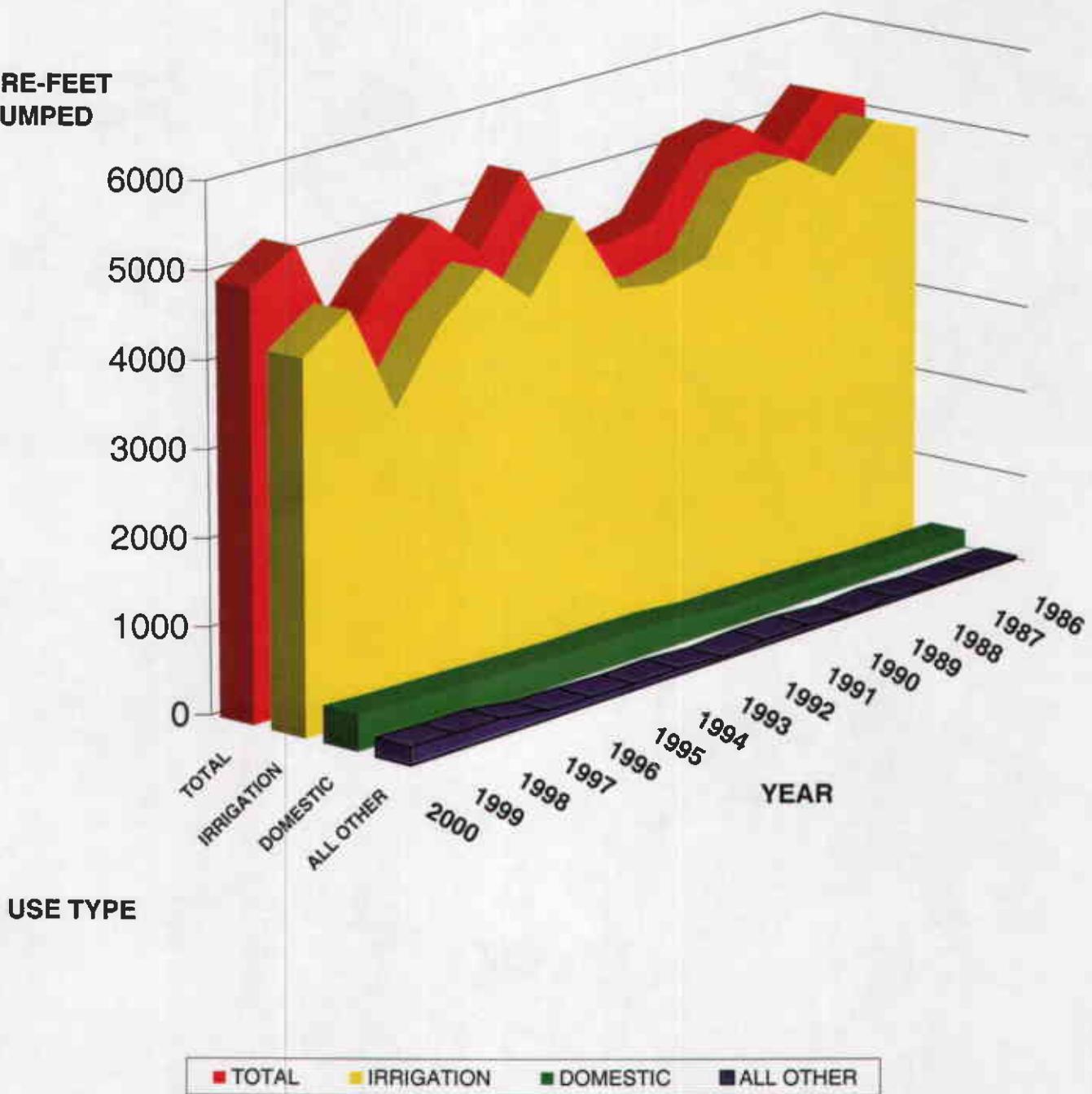
Stock watering was estimated based upon the number of animals watered at **23** acre-feet.

Recreation accounted for about **2** acre-foot at the Washoe County Regional Shooting Facility and at the Air Sailing, Inc. glider strip.

Quasi-municipal use accounted for **88** acre-feet at the Reno-Sparks Indian Colony by Hungry Valley Utility District (H.V.U.D.), the volunteer fire station (T.M.F.P.D.) and Palomino Valley General Improvement District (P.V.G.I.D.).

## ESTIMATED TOTAL WATER USE

ACRE-FEET  
PUMPED



USE TYPE

■ TOTAL   ■ IRRIGATION   ■ DOMESTIC   ■ ALL OTHER

Industrial and other uses accounted for 98 acre-feet with the major use being environmental remediation at the old Rocketdyne sites.

## **SUPPLEMENTAL RIGHTS**

18.15 acres of the irrigated land on the Winnemucca Ranch are supplemental to Warm Springs Creek water in the amount of 64.60 acre-feet. Several underground rights are supplemental to other underground rights and are shown with a duty of "0.00" acre-feet.

## **ERRATA**

Certain lands in the central area formerly under the control of MCO Properties, Inc. have been stripped of their water rights by deed and the land sold to third parties. Over time, the third parties have consolidated their remaining water rights on the same lands. Although the land to which water is appurtenant under several portions of permits owned by second parties is irrigated, their water rights have not been exercised since January 15, 1992. The specific remaining certificated permits referred to are as follows: 28071, 28444, 28447 and 30119.

## **RECHARGE**

The State Engineer maintains neither snow courses nor precipitation gauges in the mountains surrounding Warm Springs Valley. Stream flow measurements are also not regularly performed. Subsequently, recharge to Warm Springs Valley has been estimated by empirical methods as described in Report 43. That estimate, by the Eakin method, was placed at 6,000 acre-feet annually<sup>1</sup>.

Runoff was estimated by D. O. Moore in Report 43 as 14,000 acre-feet annually, primarily from Warm Springs Creek and Cottonwood Creek. Mullen Creek was estimated to drain the valley

in the amount of about 70 acre-feet annually. No playa exists in Warm Springs Valley which leads one to believe that actual recharge from runoff may be somewhat higher than the Eakin method would otherwise suggest, or the phreatophyte consumption is much higher than estimated.

Recharge from irrigation is not readily estimated and is dependant upon several variables: rate of water application, total depth of wetting, direct evapotranspiration rates, crop type and infiltration and percolation rates which are in turn dependant upon soil type and structure. Based upon Report 43 the rate of recharge from irrigation is likely minimal.

A water budget assumes that for a steady state condition the total input of water must equal the total draw on the water. Therefore, the actual recharge of the valley must not exceed the total draw on the groundwater of the valley in a steady state or "pre-development" condition. This assumption is the basis for any estimate of perennial yield from a given groundwater system. Using a water budget, Report 43 arrived at a perennial yield of **3000 acre-feet** annually due to the observed draws on the groundwater in Warm Springs Valley and the difficulty in capturing all of the water that is otherwise "lost" through natural evapotranspiration. This is the figure utilized by the State Engineer in water planning decisions.

A more recent series of studies have verified many of the assumptions that were made in Report 43 and confirmed that the methodology utilized was reasonably accurate<sup>1</sup>.

<sup>1</sup> Please see entry (1) in the selected bibliography.

<sup>2</sup> Please see entries (2) and (3) in the selected bibliography.

## **LEGEND**

A number of abbreviations are used in the tables of this report. The following two pages are a brief discussion of the columns of the report and definitions of abbreviations utilized.

### **APPEARING IN THE SUMMARY**

<u>COLUMN HEADING</u>	<u>DESCRIPTION</u>
APP. NO.	Application number in the records of the State Engineer. If an application is issued this number becomes the permit number. AKA: File number.
STATUS	Status of the corresponding application at the end of the water year. See: Abbreviations.
DUTY	Amount of water requested in the application or allowed by the terms of the permit. All figures are in acre-feet annually (AFA).
USE 19**	Type of beneficial use to which water is applied. Amount of water pumped under the corresponding application number. Figures are in acre-feet annually (AFA).

### **APPEARING IN THE INVENTORY**

PERMIT	See: "APP. NO." above.
STAT	See: "STATUS" above.
MOU	See: "USE" above.
PERMITTEE	Owner of record in the Office of the State Engineer. Not necessarily the actual owner of the land to which the water is appurtenant.
PLACE OF USE	Forty (40) acre subdivisions in which the water is permitted to be placed to beneficial use.
Q1 Q2 SEC T R	Abbreviation of "One quarter of one quarter of a Section in a Township and Range." AKA: Legal.
UNITS/ACRES	Number of units (head of stock, number of parcels, etc...) or area to be irrigated under the terms of the corresponding permit.
DUTY	Amount of water allowed to be pumped over the course of a year. All figures in acre-feet annually (AFA).
SUPP. ADJ.	Supplemental adjustment. The sum of this column is subtracted from the sum of the "DUTY" column to yield the actual committed resources. The permit corresponding to a figure in this column is considered to be supplemental to another permit in the amount indicated. Also used to account for the issuance of TEMPORARY permits changing (abrogating) existing permits during the water year.
UNITS USED	Actual number of units served or acres of land irrigated during

DUTY USED	the reported water year. Actual (metered or estimated) amount of water placed to beneficial use during the reported water year.
MCO PAR. #	Parcel number corresponding to the "Exhibit Map Supporting the Conveyance of Water Rights by MCO Properties, Inc." on file in the Office of the State Engineer. This column only pertains to certain areas in the Central area.
REMARKS/CULTURE	Self explanatory.

## OTHER ABBREVIATIONS UTILIZED

CER	Certificated.
#####	Number appearing in a "STATUS" column indicates a certificate with number #####.
PER	Permitted.
RFA	Application that is Ready For Action, i.e. protest period has expired.
APP	Application prior to expiration of the protest period.
ABR	Abrogated, i.e. changed by subsequent application.
T-ABR	Abrogated by a temporary application.
WDN	Application, permit or certificate Withdrawn by applicant, agent or successor in interest.
EXP	Expired temporary permit. If used in remarks column date on which a temporary expires.
REL	Permit or certificate Relinquished to the state.
T-PER	Temporary permit. Valid for no longer than one year from date of issue.
IRR	Irrigation use.
I&D	Irrigation and domestic use.
STK	Stock watering use.
S&D	Stock watering and domestic use.
Q-M	Quasi-municipal use.
IND	Industrial use.
ENV	Environmental remediation use.
E-PER	Permitted for environmental remediation.
C-#####	Certificate number #####.
P-#####	Permit number #####.
POD	Point of diversion.
BLM	U.S.D.I. Bureau of Land Management.
GID	General Improvement District.
AF/ac.	Acre-feet per acre.
**	Quantity unable to fit format, usually extensive.

**NUMERICAL LISTING BY  
APPLICATION NUMBER  
AND  
SUMMARY OF WATER PUMPED**

WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
23888	8283	562.40	IRR	C	161.50	385.02	357.67	228.35	66.82	403.40
24099	7599	4.00	STK	C	4.00	4.00	4.00	4.26	2.46	4.00
27395	9317	8.01	REC	W	0.35	0.86	0.49	0.42	0.58	0.67
28071	8628	3.88	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
28444	10632	12.12	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
28447	8634	6.00	I&D	C	0.00	0.00	0.00	0.00	0.00	0.00
30111	ABR	0.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
30112	ABR	0.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
30119	10589	14.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
32363	12348	24.00	IRR	C	23.38	11.89	11.79	12.00	9.95	17.02
34668	10495	8.00	I&D	S	3.23	4.21	4.37	2.30	3.10	5.90
34670	9862	40.00	IRR	C	22.32	20.93	6.19	14.21	24.80	10.00
35486	10034	8.00	IRR	C	8.00	8.00	8.00	8.00	8.00	8.00
35565	11087	0.16	REC	W	0.17	0.33	0.15	0.11	0.01	0.67
39166	10496	80.00	IRR	C	44.63	32.87	11.95	28.42	37.20	39.98
39167	10457	160.00	IRR	C	160.00	160.00	160.00	130.50	137.36	152.66
39593	PER	64.60	I&D	W	0.00	0.00	0.00	0.00	0.97	116.87
39849	PER	20.00	REC	W	0.73	1.04	0.56	0.22	0.51	0.93
40587	11180	80.00	IRR	C	0.00	0.00	0.00	0.00	49.80	35.97
42403	11875	0.02	Q-M	C	0.02	0.01	0.01	0.01	0.01	0.01
43005	11238	100.00	IRR	C	100.00	40.67	66.56	8.20	60.21	4.03
43006	11181	8.00	I&D	S	8.00	7.00	3.00	6.00	8.00	5.00
45095	10798	8.00	I&D	W	8.00	9.90	9.57	7.05	8.68	9.90
46199	13137	172.00	IRR	C	75.96	62.64	0.00	0.00	2.94	1.79
47562	12057	16.00	I&D	W	10.85	11.37	10.00	27.57	14.40	14.67
47599	13820	2.00	IRR	W	1.85	1.53	0.85	0.73	0.67	1.04
48819	12354	5.20	STK	W	7.84	2.85	2.35	1.42	1.42	0.00
49445	13822	12.00	IRR	W	0.00	0.00	0.00	0.00	0.01	0.15
49669	11974	235.40	IRR	W	144.30	48.50	139.35	96.67	110.30	110.82
49670	11975	300.00	IRR	W	184.70	61.82	117.38	70.35	140.56	141.23
50021	13542	29.87	STK	C	18.74	14.10	15.69	31.81	18.41	18.99
50054	13051	10.00	I&D	S	6.26	7.37	6.93	5.75	4.85	10.58
50056	13610	4.00	I&D	S	0.41	0.54	0.50	0.00	0.00	0.00
50764	15254	24.00	I&D	S	0.00	28.65	7.84	0.00	0.00	0.00
51002	13241	12.00	I&D	W	11.47	14.85	14.36	10.57	13.02	14.84
51169	PER	8.00	I&D	C	3.70	3.80	2.61	2.29	2.34	4.37
51474	PER	7.00	I&D	C	3.24	3.33	2.29	2.00	2.05	3.82
52089	PER	18.38	Q-M	W	0.70	0.00	0.00	0.00	0.00	0.00
52202	13311	16.00	IRR	S	26.16	27.52	32.86	25.60	15.13	28.97
52842	13312	4.00	I&D	S	6.54	6.88	8.21	6.40	3.78	7.24
52868	13916	0.00	I&D	S	36.15	42.65	50.95	39.60	33.98	0.16
52869	13917	0.00	I&D	S	18.93	22.96	27.43	21.32	18.30	0.09
52903	ABR	0.00	IRR	S						0.00
52904	ABR	0.00	IRR	S						0.00

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
53242	PER	10.00	IRR	C	5.53	6.81	6.96	3.64	5.40	5.42
53243	ABR	0.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
53263	13918	0.00	I&D	S	13.52	16.40	19.59	15.23	13.08	0.06
53275	14073	4.00	I&D	S	1.38	2.91	2.48	3.27	4.11	2.79
53278	PER	5.00	IRR	S		0.00	0.00	0.00	0.00	0.00
53303	12897	134.80	I&D	C	178.80	88.58	63.28	94.36	156.82	101.61
53304	12898	4.59	I&D	C	4.31	3.69	3.44	1.87	2.90	3.47
53305	12899	65.20	I&D	C	86.48	98.27	70.17	45.64	75.85	49.14
53306	12900	20.40	I&D	C	19.11	16.45	15.27	8.28	12.88	15.39
53307	12901	32.12	I&D	C	30.09	25.90	24.04	13.04	20.28	24.24
53308	12902	127.88	I&D	C	119.79	103.02	95.73	51.92	80.76	96.50
53313	PER	165.32	Q-M	W	32.56	44.22	47.66	50.99	59.43	67.37
53343	PER	16.00	I&D	S	0.00	2.40	0.56	0.44	0.46	0.00
53346	PER	4.00	IRR	W	0.95	1.79	1.91	2.28	3.29	1.99
53674	PER	4.00	IRR	C	0.00	0.00	0.00	4.03	0.00	0.00
53677	14074	5.20	IRR	W	1.57	1.05	0.00	0.00	0.00	0.10
53678	14075	66.80	IRR	W	20.13	13.54	0.00	0.00	0.02	1.00
53864	PER	4.00	IRR	S	0.00	1.57	2.09	1.28	1.84	0.00
53865	15261	20.00	IRR	C	20.00	0.00	20.00	0.00	0.00	0.00
54166	ABR	0.00	I&D	W	0.00	0.00	0.00	0.00	0.03	0.00
54167	PER	8.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
54169	PER	20.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
54265	PER	1.00	I&D	S	0.00	0.00	0.00	0.00	0.00	0.00
54463	PER	6.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
54465	PER	16.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
54466	PER	11.50	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
54467	PER	4.00	IRR	C	0.00	0.00	0.00	0.00	1.50	2.98
54468	PER	16.00	IRR	C	0.00	0.00	0.00	0.00	6.00	11.91
54470	PER	16.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
54614	PER	6.00	IRR	W	0.00	0.01	0.00	0.28	1.98	4.17
54615	PER	6.00	I&D	W	0.00	0.00	0.00	0.00	1.65	4.47
54616	PER	4.00	I&D	W	0.00	0.00	0.00	0.00	1.09	2.98
54889	14080	10.00	IRR	W	4.17	4.98	6.42	6.03	8.03	9.34
55118	PER	7.50	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
55119	PER	3.50	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
55325	ABR	0.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
55483	PER	4.00	IRR	S	0.00	0.00	1.14	0.16	1.57	0.46
55603	14068	24.00	IRR	C	122.34	180.00	0.00	187.62	232.36	235.28
55604	14069	43.36	IRR	C	29.47	43.36	0.00	45.20	55.97	56.68
55605	14070	11.72	IRR	C	7.97	11.72	0.00	12.22	15.13	15.32
55606	14071	304.68	IRR	C	207.08	304.68	241.98	317.58	393.31	398.25
55607	14072	4.24	IRR	C	2.88	4.24	0.00	4.42	5.47	5.54
55656	14987	4.00	IRR	S	2.91	2.66	3.87	2.46	5.28	6.17
55657	PER	4.00	I&D	C	0.00	0.00	0.00	3.65	0.85	0.50

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
55658	PER	28.00	IRR	C	0.00	0.00	0.00	25.54	5.95	3.52
55659	PER	4.00	IRR	C	0.00	0.00	0.00	3.65	0.85	0.50
56164	PER	2.50	I&D	W	0.00	0.00	0.00	0.00	0.00	0.00
56284	PER	12.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
56472	PER	4.00	IRR	S	1.38	0.00	0.00	3.27	4.11	2.79
56576	ABR	0.00	IRR	S	1.26	3.19	1.67	1.38	2.89	0.00
56927	PER	5.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
56929	PER	20.00	IRR	C	0.00	0.92	0.98	0.84	0.94	1.48
56930	PER	1.20	IRR	W	0.00	0.00	0.00	0.00	0.00	0.00
56931	PER	7.20	IRR	W	0.00	0.00	0.00	0.00	0.00	0.00
56932	PER	12.50	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
56933	PER	17.50	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
56934	PER	3.60	IRR	W	0.00	0.00	0.00	0.00	0.00	0.00
56963	PER	8.00	IRR	W	0.00	0.00	0.00	0.00	0.00	0.00
57084	14031	409.48	IRR	C	224.88	379.69	351.73	210.64	320.63	308.43
57085	14078	92.52	IRR	C	17.40	19.79	14.12	51.16	107.63	63.28
57086	14032	112.40	IRR	C	149.09	169.36	120.97	62.15	130.76	51.84
57087	14033	0.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
57088	14034	9.08	IRR	C	12.04	13.69	9.77	5.02	10.56	4.19
57089	14035	0.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
57090	14036	57.32	IRR	C	31.48	53.13	49.24	29.49	44.88	43.17
57091	14037	0.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
57092	14038	68.80	IRR	C	37.78	63.79	59.10	35.39	53.87	51.82
57093	14039	86.00	IRR	C	47.23	79.76	73.87	44.24	67.34	64.78
57094	14040	150.60	IRR	C	82.71	139.62	129.36	77.47	117.92	113.43
57095	14041	31.16	IRR	C	169.25	192.25	137.33	70.55	148.44	14.37
57175	PER	4.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
57202	PER	8.00	IRR	C	0.00	0.00	0.00	0.00	0.00	0.00
57444	15276	11.20	IRR	C	7.61	11.20	0.00	11.67	14.46	14.64
57445	15277	24.00	IRR	C	16.31	24.00	0.00	25.02	30.98	31.37
57446	15278	20.80	IRR	C	14.14	20.80	0.00	21.68	26.85	27.19
57447	15279	13.97	IRR	C	9.52	13.97	0.00	14.56	18.07	18.30
57448	15280	5.50	IRR	C	3.74	5.50	0.00	5.73	7.10	7.22
57526	PER	4.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
57664	15412	8.00	IRR	C	4.00	3.00	3.01	4.44	8.63	6.00
57899	E-PER	80.65	ENV	C	0.58	5.52	8.87	11.35	13.78	8.87
57983	PER	4.00	IRR	S	0.00	0.45	0.45	0.97	0.62	1.14
58057	PER	1.00	IRR	S	0.00	0.00	0.00	0.00	0.00	0.00
58359	PER	5.00	IRR	S			0.00	0.00	0.00	0.00
58507	14042	0.00	IRR	C	11.88	13.49	9.64	4.95	4.95	0.00
58508	14043	0.00	IRR	C	68.97	78.34	55.97	28.75	28.75	0.00
58509	14044	0.00	IRR	C	3.45	3.93	2.80	1.44	1.44	0.00
58918	PER	4.00	IRR	S			2.00	0.00	0.00	0.00
60214	PER	0.00	Q-M	W			0.00	0.00	0.00	0.00

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

**WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.**

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
60629	PER	8.00	IRR	S		0.00	0.00	0.00	0.00	0.00
60916	E-PER	322.87	ENV	C	0.00	2.55	17.12	44.21	49.12	27.11
60975	E-PER	16.13	ENV	S	0.18	0.48	0.77	0.65	0.66	0.35
61923	PER	40.00	I&D	C		1.00	1.00	33.57	50.47	30.46
62425	PER	40.00	IRR	S			141.78	60.00	89.28	19.08
62598	PER	8.00	IRR	C			0.00	0.00	0.00	0.00
62599	PER	8.00	IRR	C			0.00	0.00	2.25	6.85
62600	PER	8.00	IRR	C			0.00	0.00	3.00	5.95
62601	PER	60.00	IRR	C			0.00	50.35	75.70	30.46
62602	PER	13.16	IRR	C			0.00	11.04	16.60	10.02
62603	PER	0.84	IRR	C			0.00	0.70	1.06	0.64
62604	PER	30.00	IRR	C			0.00	33.57	50.47	22.85
62605	ABR	0.00	IRR	C			0.00	16.78	25.23	0.00
62606	ABR	0.00	IRR	C			0.00	14.45	25.23	0.00
62640	PER	2.00	IRR	C			0.00	0.00	0.00	0.00
62641	PER	10.00	IRR	C			0.00	0.00	0.00	0.00
62642	PER	2.00	IRR	W			1.00	1.00	1.00	0.00
62643	PER	5.00	IRR	S			0.00	0.00	0.00	0.10
62644	PER	10.00	IRR	S			0.00	0.00	0.00	0.21
62771	PER	47.82	IRR	C			0.00	34.55	60.36	36.43
62772	PER	8.08	IRR	C			0.00	5.84	10.19	6.15
62827	PER	8.00	I&D	W			4.00	1.56	5.50	5.82
62889	PER	80.00	IRR	C			77.59	81.93	121.24	45.29
62890	PER	540.00	IRR	C			523.72	553.04	818.40	305.71
62898	PER	4.00	I&D	C			0.00	0.00	0.00	0.00
63064	PER	0.00	I&D	C			0.00	0.00	6.13	0.00
63065	PER	0.00	I&D	C			0.00	0.00	8.43	0.00
63070	E-PER	48.39	ENV	C			0.00	11.45	12.57	19.86
63071	E-PER	48.39	ENV	C			0.00	20.51	19.57	21.76
63072	PER	0.00	I&D	C			0.00	0.00	3.06	0.00
63074	PER	0.00	IRR	C			0.00	0.00	4.60	0.00
63139	PER	8.00	IRR	S			0.00	0.00	0.00	0.00
63203	PER	192.00	IRR	C			0.00	144.94	20.67	124.51
63221	PER	4.50	IRR	S			0.00	0.00	0.00	0.00
63222	PER	0.00	I&D	C			0.00	0.00	14.55	0.00
63223	PER	0.00	I&D	C			0.00	0.00	15.32	0.00
63309	PER	4.00	IRR	W			0.00	2.24	2.04	0.00
63455	PER	0.00	I&D	C			0.00	0.00	15.32	0.00
63456	PER	0.00	I&D	C			0.00	0.00	3.06	0.00
63515	PER	4.00	Q-M	S				0.30	1.83	3.22
63517	PER	4.98	Q-M	S				0.37	2.27	4.01
63518	PER	8.00	Q-M	C				10.64	9.90	11.56
63519	PER	1.12	IRR	C				0.00	0.37	0.27
63520	PER	3.84	IRR	C				0.00	1.26	0.93

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
63708	PER	0.00	IRR	C				0.00	7.66	0.00
63782	PER	9.50	IRR	W				0.00	0.00	2.00
64011	PER	8.00	IRR	S				0.00	0.00	8.00
64067	PER	6.00	COM	S				0.00	1.38	0.59
64265	PER	0.00	I&D	C				0.00	6.13	0.00
64266	PER	0.00	I&D	C				0.00	3.06	0.00
64267	PER	0.00	I&D	C				0.00	9.19	0.00
64268	PER	0.00	I&D	C				0.00	3.06	0.00
64269	PER	0.00	I&D	C				0.00	6.51	0.00
64270	PER	0.00	I&D	C				0.00	9.58	0.00
64501	PER	20.00	I&D	C				0.00	2.50	20.84
64660	PER	10.00	I&D	C						5.50
64812	PER	8.00	I&D	S				0.00	0.00	0.00
65072	PER	40.00	I&D	C						0.00
65073	PER	0.00	I&D	C						0.00
65095	PER	1.00	Q-M	C						1.45
65500	PER	12.00	I&D	W						0.00
65570	E-PER	177.40	ENV	C						4.76
65571	E-PER	129.00	ENV	C						8.34
65572	E-PER	56.40	ENV	C						5.87
65573	E-PER	40.30	ENV	C						0.58
65680	PER	4.00	I&D	S						0.00
65726	PER	10.00	I&D	S						4.77
65727	PER	20.00	I&D	S						9.54
65728	PER	20.00	I&D	S						9.54
65883	RFP		PWR	W						
65884	RFP		PWR	W						
66143	T-PER	52.00	I&D	C						67.97
66144	T-PER	28.00	I&D	C						36.60
66145	T-PER	20.00	I&D	C						26.14
66174	T-PER	8.96	I&D	C						5.63
66175	T-PER	96.44	IRR	C						60.58
66176	T-PER	52.00	I&D	C						32.66
66177	T-PER	2.60	I&D	C						1.63
66178	T-PER	8.00	I&D	C						6.65
66179	T-PER	11.00	I&D	C						9.15
66180	T-PER	4.00	I&D	C						3.33
66181	T-PER	6.00	IRR	C						4.99
66182	T-PER	19.00	I&D	C						15.80
66183	T-PER	20.00	I&D	C						16.63
66184	T-PER	20.00	I&D	C						16.63
66185	T-PER	4.00	I&D	C						3.33
66186	T-PER	10.00	IRR	C						8.32
66187	T-PER	8.00	I&D	C						6.65

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

WARM SPRINGS VALLEY UNDERGROUND WATER RIGHTS SUMMARY.

APP. NO.	STATUS 2000	DUTY (AFA)	USE	SUB AREA	DUTY USED BY WATER YEAR					
					1995	1996	1997	1998	1999	2000
66188	T-PER	4.00	I&D	C						3.33
66189	T-PER	12.00	I&D	C						9.98
66190	T-PER	4.00	I&D	C						3.33
66191	T-PER	8.50	I&D	C						7.07
66192	T-PER	12.50	I&D	C						10.40
66237	T-PER	8.00	I&D	C						0.00
66317	RFA		IRR	S						
66410	RFA		COM	S						
66411	RFA		COM	S						
66413	T-PER	156.00	IRR	C						156.00

PERMITTED DUTY 7394.55

TOTAL PUMPED

4469.41

Note: The "Permitted Duty" shown  
corresponds to the amount available  
in the given water year.

\*\* NOTE: "DUTY" COLUMN IS AS OF 9-30-2000. \*\*

**WATER PUMPED BY PERMIT**

**SUMMARY BY SUB AREA  
INCLUDING DOMESTIC USE ESTIMATE**

CENTRAL	3941 Acre-feet
SOUTH	365 Acre-feet
WEST	596 Acre-feet

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES (AF)	DUTY ADJ.	SUPP USED	UNITS USED	DUTY ADJ.	MCO PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T	R								
23888	8283	IRR	Tehama Holdings, Inc.	NE	SE	5	22	21	169					1.69	5.10	
23888	8283	IRR	Tehama Holdings, Inc.	NW	SE	5	22	21	5.25					5.25	15.85	
23888	8283	IRR	Tehama Holdings, Inc.	SW	SE	5	22	21	39.40					39.40	118.93	
23888	8283	IRR	Tehama Holdings, Inc.	SE	SE	5	22	21	29.32					29.32	88.50	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NE	8	22	21	20.88					20.88	63.03	
23888	8283	IRR	Tehama Holdings, Inc.	NW	NE	8	22	21	33.25					33.25	100.37	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NW	8	22	21	3.85					3.85	11.62	
23888	8283	IRR							133.64	534.56				133.64	403.40	MCO well #3; Alfalfa
24099	7599	STK	U.S.D.I. - BLM	NW	NE	7	22	21	172	4.00				172	4.00	Horses
28071	8628	IRR	Reno Sparks Indian Colony	NW	SW	4	22	21	0.97	3.88				0.00	0.00	39 MCO well #2
28444	10632	IRR	Reno Sparks Indian Colony	NE	NE	5	22	21	2.00					0.00	0.00	24
28444	10632	IRR	Reno Sparks Indian Colony	NW	NE	5	22	21	1.03					0.00	0.00	38
28444	10632	IRR							3.03	12.12				0.00	0.00	MCO well #1
28447	8634	I&D	Reno Sparks Indian Colony	SW	SW	4	22	21	1.50	6.00				0.00	0.00	49 MCO well #2
30111	ABR	IRR	Miller, Marilyn B.	NW	NW	5	22	21	6.00					0.00	0.00	101
30111	ABR	IRR	Miller, Marilyn B.	NE	NE	6	22	21	4.00					0.00	0.00	101 Supplemental to 30112
30111	ABR	IRR							10.00	0.00				0.00	0.00	MCO well #1; ABR by 52903, South area.
30112	ABR	IRR	Miller, Marilyn B.	NW	NW	5	22	21	6.00					0.00	0.00	101
30112	ABR	IRR	Miller, Marilyn B.	NE	NE	6	22	21	4.00					0.00	0.00	101 Supplemental to 30111; Duty under 30111
30112	ABR	IRR							10.00	0.00				0.00	0.00	MCO well #1; ABR by 52904, South area.
30119	10589	IRR	Reno Sparks Indian Colony	SW	SW	4	22	21	3.50	14.00				0.00	0.00	48 MCO well #2
32363	12348	IRR	Fischer, George J. & Ethellou	SW	SE	10	22	21	6.00	24.00				6.00	17.02	Model Farm; Estimate from power readings.
34670	9862	IRR	Pepple & Stewart	NE	SW	32	23	21	10.00	40.00				3.00	10.00	Fallow and Grass hay.
35486	10034	IRR	Claypool, John G. & Susan D.	NW	SE	32	23	21	2.00	8.00				2.00	8.00	Pasture; Estimate.
39166	10496	IRR	Pepple & Stewart	NE	SW	32	23	21	15.70					10.00	33.32	
39166	10496	IRR	Pepple & Stewart	NW	SW	32	23	21	4.30					2.00	6.66	
39166	10496	IRR	Pepple & Stewart						20.00	80.00				12.00	39.98	Fallow and Grass hay.

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS	DUTY (AF)	SUPP	UNITS	DUTY	MCO USED	PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T								
39167	10457	IRR	Douglas, Brent N.	NE	SE	4	22	21	5.60		5.40	21.14			
39167	10457	IRR	Douglas, Brent N. & Washoe County	NW	SE	4	22	21	34.40		33.60	131.52			Washoe Co. por. = 15 AFA
39167	10457	IRR							40.00	160.00		39.00	152.66		Alfalfa
40587	11180	IRR	Newell, George W. & Lolita L.	NE	SE	16	22	21	20.00		20.00	35.97			Grain; Meter failed, submitted pumpage.
42403	11875	Q-M	Truckee Meadows Fire Prot. District	NE	SE	6	22	21	"		0.02	"	0.01		Fire Station
43005	11238	IRR	Wells, Clifford E. & Jacqueline C.	SE	NE	31	23	21	17.30			17.30	2.79		
43005	11238	IRR	Wells, Clifford E. & Jacqueline C.	SW	NW	32	23	21	7.70			7.70	1.24		
43005	11238	IRR							25.00	100.00		25.00	4.03		Poor alfalfa; e-meter removed.
46199	13137	IRR	Claypool, John G. Susan D.	NE	SE	32	23	21	19.00		0.00	0.00			
46199	13137	IRR	Claypool, John G. Susan D.	NW	SE	32	23	21	24.00		0.00	0.00			
46199	13137	IRR							43.00	172.00		0.00	1.79		Fallow; Stockwatering.
50021	13542	STK	U.S.D.I. - BLM	NW	NE	7	22	21	1500		29.87		854	18.99	Horses - Same POD as 24099
51169	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	2.00		8.00		2.00	4.37	Orchard: Same POD as 51474
51474	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	1.75		7.00		1.75	3.82	Orchard: Same POD as 51169
53242	PER	I&D	Bonham, Harold F. & Sally M.	NW	NW	13	22	21					0.00	0.00	
53242	PER	I&D	Bonham, Harold F. & Sally M.	SW	NW	13	22	21					4.20	2.96	Pasture grass, alfalfa & orchard
53242	PER	I&D	Bonham, Harold F. & Sally M.	SE	NW	13	22	21					2.50	1.76	Pasture grass, alfalfa & orchard
53242	PER	I&D	Bonham, Harold F. & Sally M.	NE	SW	13	22	21					0.50	0.35	Pasture grass, alfalfa & orchard
53242	PER	I&D	Bonham, Harold F. & Sally M.	NW	SW	13	22	21					0.50	0.35	Pasture grass, alfalfa & orchard
53242	PER	I&D	Bonham, Harold F. & Sally M.	SW	SW	13	22	21					0.00	0.00	
53242	PER	I&D							5.00	10.00		7.70	5.42		Par. Changed by 646660; This area.
53303	12897	I&D	Tehama Holdings, Inc.	NW	NW	4	22	21	33.70		134.80		33.70	101.61	Alfalfa and pasture grass; MCO well #2
53304	12898	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.15		4.59		1.15	3.47	Alfalfa; MCO well #3
53305	12899	I&D	Pratt, Tom & Lanette	NW	NW	4	22	21	5.90				5.90	17.79	
53305	12899	I&D	Pratt, Tom & Lanette	SW	NW	4	22	21	10.40				10.40	31.36	
53305	12899	I&D							16.30	65.20		16.30	49.14		Alfalfa and pasture grass; MCO well #2

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T							
53306	12900	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	5.10	20.40	5.10	15.39		Alalfa; MCO well #3
53307	12901	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	8.03	32.12	8.03	24.24		Alalfa; MCO well #3
53308	12902	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	11.97			11.97	36.13	
53308	12902	I&D	Tehama Holdings, Inc.	SE	SW	5	22	21	0.30			0.30	0.91	
53308	12902	I&D	Tehama Holdings, Inc.	NE	SW	5	22	21	15.70			15.70	47.39	
53308	12902	I&D	Tehama Holdings, Inc.	SE	NW	5	22	21	2.60			2.60	7.85	
53308	12902	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.40			1.40	4.23	
53308	12902	I&D							31.97	127.88		31.97	96.50	
53674	PER	IRR	Malo, M. Daniel & Cheryl L.	NW	SE	15	22	21	1.00	4.00	0.00	0.00	0.00	Pasture in poor condition
53865	15261	I&D	Meade, Lester E. & Donna M.	SE	NE	31	23	21			0.00	0.00		
53865	15261	I&D	Meade, Lester E. & Donna M.	SW	NW	32	23	21			0.00	0.00		
53865	15261	I&D							5.00	20.00	0.00	0.00	0.00	Fallow
54169	PER	I&D	Baptiste, Steven L.	NW	NW	14	22	21	5.00	20.00	0.00	0.00	0.00	Meter required
54463	PER	I&D	Fralick, Kathleen	NE	SE	9	22	21						
54463	PER	I&D	Fralick, Kathleen	SE	SE	9	22	21						
54463	PER	I&D	Fralick, Kathleen	NW	NW	10	22	21						
54463	PER	I&D	Fralick, Kathleen	SW	NW	15	22	21						
54463	PER	I&D	Fralick, Kathleen	SW		15	22	21						
54463	PER	I&D	Fralick, Kathleen	E2	NE	16	22	21						
54463	PER	I&D	Fralick, Kathleen	E2	SE	16	22	21						
54463	PER	I&D							1.50	6.00	0.00	0.00	0.00	
54465	PER	I&D	Washoe County	NE	SE	9	22	21						
54465	PER	I&D	Washoe County	SE	SE	9	22	21						
54465	PER	I&D	Washoe County	NW	NW	10	22	21						
54465	PER	I&D	Washoe County	SW	NW	15	22	21						
54465	PER	I&D	Washoe County	SW		15	22	21						
54465	PER	I&D	Washoe County	E2	NE	16	22	21						
54465	PER	I&D	Washoe County	E2	SE	16	22	21						
54465	PER	I&D							4.00	16.00	0.00	0.00	0.00	

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES	DUTY (AF)	SUPP	UNITS	DUTY	MCO	REMARKS / CULTURE
				Q1	Q2	SEC	T	R	ADJ.							
54466	PER	I&D	Fralick, Kathleen & Washoe County	NE	SE	9	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	SE	SE	9	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	NW	NW	10	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	SW	NW	15	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	SW	SW	15	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	E2	NE	16	22	21								
54466	PER	I&D	Fralick, Kathleen & Washoe County	E2	SE	16	22	21								
54466	PER	I&D								3.00	12.00	0.00	0.00	0.00	0.00	Not used per well owner
54467	PER	IRR	Newell, George W. & Lolita L.	NE	SE	9	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	SE	SE	9	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	NW	NW	10	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	SW	NW	15	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	SW	SW	15	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	E2	NE	16	22	21								
54467	PER	IRR	Newell, George W. & Lolita L.	E2	SE	16	22	21								
54467	PER	IRR								1.00	4.00	1.00	2.98	2.98	Garlic	Same well as 40587; Meter failed, submitted figures.
54468	PER	IRR	Washoe County	NE	SE	9	22	21								
54468	PER	IRR	Washoe County	SE	SE	9	22	21								
54468	PER	IRR	Washoe County	NW	NW	10	22	21								
54468	PER	IRR	Washoe County	SW	NW	15	22	21								
54468	PER	IRR	Washoe County	SW	SW	15	22	21								
54468	PER	IRR	Washoe County	E2	NE	16	22	21								
54468	PER	IRR	Washoe County	E2	SE	16	22	21								
54468	PER	IRR								4.00	16.00	4.00	11.91	11.91	Garlic	Same well as 40587; Meter failed, submitted figures.
54470	PER	I&D	Washoe County	NE	SE	9	22	21								
54470	PER	I&D	Washoe County	SE	SE	9	22	21								
54470	PER	I&D	Washoe County	NW	NW	10	22	21								
54470	PER	I&D	Washoe County	SW	NW	15	22	21								
54470	PER	I&D	Washoe County	SW	SW	15	22	21								
54470	PER	I&D	Washoe County	E2	NE	16	22	21								
54470	PER	I&D	Washoe County	E2	SE	16	22	21								
54470	PER	I&D								4.00	16.00	4.00	0.00	0.00	Garlic	Same well as 40587; Meter failed, submitted figures.
55118	PER	I&D	Washoe County	S2	NW	3	22	21								Meter required

## WARM SPRINGS VALLEY (CENTRAL) 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						UNITS/ACRES	DUTY (AF)	SUPP ADJ.	UNITS	DUTY	MCO USED	PAR #	REMARKS / CULTURE
				Q1	Q2	SEC	T	R									
55119	PER	I&D	Washoe County	SE	NW	3	22	21	0.88	3.50	0.00	0.00	0.00	0.00	0.00	Meter required	
55603	14068	IRR	Capurro, Capurro & Oppio	NE	SE	8	22	21	35.42		25.00	25.02				Onion	
55603	14068	IRR	Capurro, Capurro & Oppio	NW	SE	8	22	21	1.74		0.00	0.00					
55603	14068	IRR	Capurro, Capurro & Oppio	SE	SE	8	22	21	12.05		4.00	4.00				Garlic	
55603	14068	IRR	Capurro, Capurro & Oppio	NE	SW	9	22	21	40.35		15.00	15.01				Onion	
55603	14068	IRR	Capurro, Capurro & Oppio	NW	SW	9	22	21	40.39		40.00	40.03				Onion	
55603	14068	IRR	Capurro, Capurro & Oppio	SW	SW	9	22	21	40.26		38.00	38.03				Garlic	
55603	14068	IRR	Capurro, Capurro & Oppio	SE	SW	9	22	21	40.24		25.00	25.02				Turf	
55603	14068	IRR	Capurro, Capurro & Oppio	NW	SE	9	22	21	40.32		40.00	26.51				Old onion	
55603	14068	IRR	Capurro, Capurro & Oppio	SW	SE	9	22	21	40.20		40.20	26.64				Old onion	
55603	14068	IRR	Capurro, Capurro & Oppio	NE	NW	16	22	21	40.18		20.00	20.01				Turf	
55603	14068	IRR	Capurro, Capurro & Oppio	NW	NW	16	22	21	27.42		15.00	15.01				Turf	
55603	14068	IRR							45.00	180.00	262.20	235.28				MCO well #5; ABR (por) by 66413-T, this area.	
21				NE	SE	8	22	21	35.42		25.00	6.03				Onion	
55604	14069	IRR	Capurro, Capurro & Oppio	NW	SE	8	22	21	1.74		0.00	0.00					
55604	14069	IRR	Capurro, Capurro & Oppio	SE	SE	8	22	21	12.05		4.00	0.96				Garlic	
55604	14069	IRR	Capurro, Capurro & Oppio	NE	SW	9	22	21	40.35		15.00	3.62				Onion	
55604	14069	IRR	Capurro, Capurro & Oppio	NW	SW	9	22	21	40.39		40.00	9.64				Onion	
55604	14069	IRR	Capurro, Capurro & Oppio	SW	SW	9	22	21	40.26		38.00	9.16				Garlic	
55604	14069	IRR	Capurro, Capurro & Oppio	SE	SW	9	22	21	40.24		25.00	6.03				Turf	
55604	14069	IRR	Capurro, Capurro & Oppio	NW	SE	9	22	21	40.32		40.00	6.39				Old onion	
55604	14069	IRR	Capurro, Capurro & Oppio	SW	SE	9	22	21	40.20		40.20	6.42				Old onion	
55604	14069	IRR	Capurro, Capurro & Oppio	NE	NW	16	22	21	40.18		20.00	4.82				Turf	
55604	14069	IRR	Capurro, Capurro & Oppio	NW	NW	16	22	21	27.42		15.00	3.62				Turf	
55604	14069	IRR							11.90	43.36	262.20	56.68				MCO well #5	
55605	14070	IRR	Capurro, Capurro & Oppio	NE	SE	8	22	21	35.42		25.00	1.63				Onion	
55605	14070	IRR	Capurro, Capurro & Oppio	NW	SE	8	22	21	1.74		0.00	0.00					
55605	14070	IRR	Capurro, Capurro & Oppio	SE	SE	8	22	21	12.05		4.00	0.26				Garlic	
55605	14070	IRR	Capurro, Capurro & Oppio	NE	SW	9	22	21	40.35		15.00	0.98				Onion	
55605	14070	IRR	Capurro, Capurro & Oppio	NW	SW	9	22	21	40.39		40.00	2.61				Onion	
55605	14070	IRR	Capurro, Capurro & Oppio	SW	SW	9	22	21	40.26		38.00	2.48				Garlic	
55605	14070	IRR	Capurro, Capurro & Oppio	SE	SW	9	22	21	40.24		25.00	1.63				Turf	
55605	14070	IRR	Capurro, Capurro & Oppio	NW	SE	9	22	21	40.32		40.00	1.73				Old onion	
55605	14070	IRR	Capurro, Capurro & Oppio	SW	SE	9	22	21	40.20		40.20	1.73				Old onion	
55605	14070	IRR	Capurro, Capurro & Oppio	NE	NW	16	22	21	40.18		20.00	1.30				Turf	

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO	PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T								
55605	14070	IRR	Capurro, Capurro & Oppio	NW	NW	16	22	21	27.42		15.00	0.98			Turf
55605	14070	IRR							2.93	11.72		262.20	15.32		MCO well #5
55606	14071	IRR	Capurro, Capurro & Oppio	NE	SE	8	22	21	35.42		25.00	42.35			Onion
55606	14071	IRR	Capurro, Capurro & Oppio	NW	SE	8	22	21	1.74		0.00	0.00			
55606	14071	IRR	Capurro, Capurro & Oppio	SE	SE	8	22	21	12.05		4.00	6.78			Garlic
55606	14071	IRR	Capurro, Capurro & Oppio	NE	SW	9	22	21	40.35		15.00	25.41			Onion
55606	14071	IRR	Capurro, Capurro & Oppio	NW	SW	9	22	21	40.39		40.00	67.75			Onion
55606	14071	IRR	Capurro, Capurro & Oppio	SW	SW	9	22	21	40.26		38.00	64.37			Garlic
55606	14071	IRR	Capurro, Capurro & Oppio	SE	SW	9	22	21	40.24		25.00	42.35			Turf
55606	14071	IRR	Capurro, Capurro & Oppio	NW	SE	9	22	21	40.32		40.00	44.87			Old onion
55606	14071	IRR	Capurro, Capurro & Oppio	SW	SE	9	22	21	40.20		40.20	45.10			Old onion
55606	14071	IRR	Capurro, Capurro & Oppio	NE	NW	16	22	21	40.18		20.00	33.88			Turf
55606	14071	IRR	Capurro, Capurro & Oppio	NW	NW	16	22	21	27.42		15.00	25.41			Turf
55606	14071	IRR							76.17	304.68		262.20	398.25		MCO well #5
55607	14072	IRR	Capurro, Capurro & Oppio	NE	SE	8	22	21	35.42		25.00	0.59			Onion
55607	14072	IRR	Capurro, Capurro & Oppio	NW	SE	8	22	21	1.74		0.00	0.00			
55607	14072	IRR	Capurro, Capurro & Oppio	SE	SE	8	22	21	12.05		4.00	0.09			Garlic
55607	14072	IRR	Capurro, Capurro & Oppio	NE	SW	9	22	21	40.35		15.00	0.35			Onion
55607	14072	IRR	Capurro, Capurro & Oppio	NW	SW	9	22	21	40.39		40.00	0.94			Onion
55607	14072	IRR	Capurro, Capurro & Oppio	SW	SW	9	22	21	40.26		38.00	0.90			Garlic
55607	14072	IRR	Capurro, Capurro & Oppio	SE	SW	9	22	21	40.24		25.00	0.59			Turf
55607	14072	IRR	Capurro, Capurro & Oppio	NW	SE	9	22	21	40.32		40.00	0.62			Old onion
55607	14072	IRR	Capurro, Capurro & Oppio	SW	SE	9	22	21	40.20		40.20	0.63			Old onion
55607	14072	IRR	Capurro, Capurro & Oppio	NE	NW	16	22	21	40.18		20.00	0.47			Turf
55607	14072	IRR	Capurro, Capurro & Oppio	NW	NW	16	22	21	27.42		15.00	0.35			Turf
55607	14072	IRR							11.90	47.60		262.20	5.54		MCO well #5
55657	PER	I&D	Malo, M. Daniel & Cheryl L.	NW	SE	15	22	21	1.00	4.00	1.50	0.50			House & pasture; Same well as P-55659
55658	PER	IRR	Malo, M. Daniel & Cheryl L.	NW	SE	15	22	21	7.00	28.00	1.50	3.52			House & pasture; Same well as P-55657
55659	PER	IRR	Malo, M. Daniel & Cheryl L.	NW	SE	15	22	21	1.00	4.00	1.50	0.50			House & pasture; Same well as P- 55658
56929	PER	I&D	Pruitt, Leneaux & Washoe County	SW	SW	33	23	21	5.00	20.00	2.00	1.48			Domestic and garden; Wa.Co. por. = 15 AFA
56932	PER	IRR	Stinson, George W. & Washoe County	NE		3	22	21							Washoe County Por. = 10.0 AFA

WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS (AF)	DUTY ADJ.	SUPP USED	UNITS ADJ.	DUTY USED	MCO PAR #	REMARKS / CULTURE
				Q1	Q2	SEC	T							
56932	PER	IRR	Stinson, George W. & Washoe County	N2	SE	3	22	21	3.13	12.50	0.00	0.00	0.00	Meter required; Actually 3.125 Ac.
56932	PER	IRR												No meter; Domestic only; Actually 4.375 Ac.
56933	PER	IRR	Stinson, George W.	NW	NW	15	22	21	4.38	17.50	0.00	0.00	0.00	
57084	14031	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	10.23		10.23	30.82		
57084	14031	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	37.13		37.13	111.87		
57084	14031	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	12.61		12.61	37.99		
57084	14031	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.04		0.04	0.12		
57084	14031	IRR	Tehama Holdings, Inc.	NE	SE	31	23	21	0.10		0.10	0.30		
57084	14031	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	0.86		0.86	2.59		
57084	14031	IRR	Tehama Holdings, Inc.	NW	SW	32	23	21	0.46		0.46	1.39		
57084	14031	IRR	Tehama Holdings, Inc.	SW	SW	32	23	21	36.00		36.00	108.46		
57084	14031	IRR	Tehama Holdings, Inc.	SE	SW	32	23	21	4.94		4.94	14.88		
57084	14031	IRR							102.37	409.46	102.37	308.43		MCO well #1; Alfalfa
57085	14078	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	5.38		5.38	9.92		
57085	14078	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	4.08		4.08	7.53		
57085	14078	IRR	Tehama Holdings, Inc.	SE	SW	32	23	21	6.33		6.33	11.68		
57085	14078	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	7.34		7.34	.34.16		
57085	14078	IRR							23.13	92.52	23.13	63.28		MCO well #2; Alfalfa
57086	14032	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	7.20		7.20	13.28		
57086	14032	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	0.36		0.36	0.66		
57086	14032	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	17.60		17.60	32.47		Certificated duty = 3.64733 AF/ac.
57086	14032	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	2.94		2.94	5.42		MCO well #2; Alfalfa
57086	14032	IRR							28.10	112.40	28.10	51.84		Supplemental to P-570837
57087	14033	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	7.20		7.20	0.00		
57087	14033	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	0.36		0.36	0.00		
57087	14033	IRR	Tehama Holdings, Inc.	NE	NW	5	22	21	17.60		17.60	0.00		
57087	14033	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	2.94		2.94	0.00		
57087	14033	IRR							28.10	102.49	28.10	0.00		
57088	14034	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.39		0.39	0.72		
57088	14034	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	1.88		1.88	3.47		MCO well #2; Alfalfa
57088	14034	IRR							2.27	9.08	2.27	4.19		Supplemental to 57089

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT - MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES			DUTY (AF)	SUPP ADJ.	UNTS USED	DUTY ADJ. USED	MCO PAR. #	REMARKS / CULTURE
			Q1	Q2	SEC	T	R	ACRES									
57089	14035	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.39			0.39		0.00			
57089	14035	IRR	Tehama Holdings, Inc.	SW	SE	32	23	21	1.88			1.88		0.00			MCO well #2; Alfalfa
57089	14035	IRR							2.27	9.08	9.08	2.27	0.00				Supplemental to 57088
57090	14036	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	1.94			1.94		5.84			
57090	14036	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.66			0.66		1.99			
57090	14036	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	4.62			4.62		13.92			
57090	14036	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	7.11			7.11		21.42			MCO well #1; Alfalfa
57090	14036	IRR							14.33	57.32	14.33	43.17					Supplemental to 57091
57091	14037	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	1.94			1.94		0.00			
57091	14037	IRR	Tehama Holdings, Inc.	SW	NW	5	22	21	0.66			0.66		0.00			
57091	14037	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	4.62			4.62		0.00			
57091	14037	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	7.11			7.11		0.00			MCO well #1; Alfalfa
57091	14037	IRR							14.33	57.32	14.33	43.17					Supplemental to & duty under 57090
57092	14038	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.19			0.19		0.57			
57092	14038	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	13.89			13.89		41.85			
57092	14038	IRR	Tehama Holdings, Inc.	SE	NE	6	22	21	3.12			3.12		9.40			
57092	14038	IRR							17.20	68.80	17.20	51.82					MCO well #1; Alfalfa
57093	14039	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.12			0.12		0.36			
57093	14039	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	17.51			17.51		52.76			
57093	14039	IRR	Tehama Holdings, Inc.	NW	NE	6	22	21	3.58			3.58		10.79			
57093	14039	IRR	Tehama Holdings, Inc.	SW	SE	31	23	21	0.22			0.22		0.66			
57093	14039	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	0.07			0.07		0.21			
57093	14039	IRR							21.50	86.00	21.50	64.78					MCO well #1; Alfalfa
57094	14040	IRR	Tehama Holdings, Inc.	NW	NW	5	22	21	0.57			0.57		1.72			
57094	14040	IRR	Tehama Holdings, Inc.	NE	NE	6	22	21	3.17			3.17		9.55			
57094	14040	IRR	Tehama Holdings, Inc.	SW	SE	31	23	21	1.06			1.06		3.19			
57094	14040	IRR	Tehama Holdings, Inc.	SE	SE	31	23	21	32.22			32.22		97.07			
57094	14040	IRR	Tehama Holdings, Inc.	NE	SE	31	23	21	0.09			0.09		0.27			
57094	14040	IRR	Tehama Holdings, Inc.	SW	SW	32	23	21	0.54			0.54		1.63			
57094	14040	IRR							37.65	150.60	37.65	113.43					MCO well #1; Alfalfa
57095	14041	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	2.07			0.00		0.00			
57095	14041	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	13.61			2.38		4.39			

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES (AF)	DUTY ADJ.	SUPP USED	UNITS USED	DUTY MCO	REMARKS / CULTURE
				Q1	Q2	SEC	T						
57095	14041	IRR	Tehama Holdings, Inc.	SW	NE	5	22	21	14.72		5.21	9.61	
57095	14041	IRR	Tehama Holdings, Inc.	SE	NE	5	22	21	1.30		0.00	0.00	
57095	14041	IRR	Tehama Holdings, Inc.	SE	NW	5	22	21	0.20		0.20	0.37	MCO well #2; Altalta; ABR (par) by 66175-T, this area.
57095	14041	IRR						31.90	127.60		7.79	14.37	
57175	PER	I&D	Washoe County	SE	NW	3	22	21	1.00	4.00	0.00	0.00	Meter required
57202	PER	I&D	Cobb, John & Susan	SW		34	23	21					
57202	PER	I&D	Cobb, John & Susan	N2	SE	33	23	21					
57202	PER	I&D						2.00	8.00		0.00	0.00	Meter required
57444	15276	IRR	Carr, Fred M.	NW	SE	8	22	21			25.00	1.56	Onion
57444	15276	IRR	Carr, Fred M.	NE	SE	8	22	21			0.00	0.00	
57444	15276	IRR	Carr, Fred M.	SE	SE	8	22	21			4.00	0.25	Garlic
57444	15276	RR	Carr, Fred M.	NW	SW	9	22	21			15.00	0.93	Onion
57444	15276	RR	Carr, Fred M.	NE	SW	9	22	21			40.00	2.49	Onion
57444	15276	RR	Carr, Fred M.	SW	SW	9	22	21			38.00	2.37	Garlic
57444	15276	RR	Carr, Fred M.	SE	SW	9	22	21			25.00	1.56	Turf
57444	15276	RR	Carr, Fred M.	NW	SE	9	22	21			40.00	1.65	Old onion
57444	15276	RR	Carr, Fred M.	SW	SE	9	22	21			40.20	1.66	Old onion
57444	15276	RR	Carr, Fred M.	NW	NW	16	22	21			20.00	1.25	Turf
57444	15276	RR	Carr, Fred M.	NE	NW	16	22	21			15.00	0.93	Turf
57444	15276	IRR						2.80	11.20		262.20	14.64	MCO well #5
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SE	8	22	21			25.00	3.34	Onion
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	SE	8	22	21			0.00	0.00	
57445	15277	I&D	Carr, Mark C. & Wilma F.	SE	SE	8	22	21			4.00	0.53	Garlic
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SW	9	22	21			15.00	2.00	Onion
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	SW	9	22	21			40.00	5.34	Onion
57445	15277	I&D	Carr, Mark C. & Wilma F.	SW	SW	9	22	21			38.00	5.07	Garlic
57445	15277	I&D	Carr, Mark C. & Wilma F.	SE	SW	9	22	21			25.00	3.34	Turf
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	SE	9	22	21			40.00	3.53	Old onion
57445	15277	I&D	Carr, Mark C. & Wilma F.	SW	SE	9	22	21			40.20	3.55	Old onion
57445	15277	I&D	Carr, Mark C. & Wilma F.	NW	NW	16	22	21			20.00	2.67	Turf
57445	15277	I&D	Carr, Mark C. & Wilma F.	NE	NW	16	22	21			15.00	2.00	Turf
57445	15277	I&D						6.00	24.00		262.20	31.37	MCO well #5
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	8	22	21			25.00	2.89	

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T							
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SE	8	22	21			0.00	0.00		
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SE	8	22	21			4.00	0.46		Garlic
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SW	9	22	21			15.00	1.73		Onion
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SW	9	22	21			40.00	4.63		Onion
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SW	9	22	21			38.00	4.39		Garlic
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SW	9	22	21			25.00	2.89		Turf
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	9	22	21			40.00	3.06		Old onion
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SE	9	22	21			40.00	3.08		Old onion
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	NW	16	22	21			20.00	2.31		Turf
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	NW	16	22	21			15.00	1.73		Turf
57446	15278	I&D							5.20	20.80	262.20	27.19		MCO well #5
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	8	22	21			25.00	1.95		
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SE	8	22	21			0.00	0.00		Onion
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SE	8	22	21			4.00	0.31		
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SW	9	22	21			15.00	1.17		Garlic
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SW	9	22	21			40.00	3.11		Onion
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SW	9	22	21			38.00	2.96		Onion
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SW	9	22	21			25.00	1.95		Garlic
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	9	22	21			40.00	2.06		Turf
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SE	9	22	21			40.00	2.07		Old onion
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	NW	16	22	21			20.00	1.56		Old onion
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	NW	16	22	21			15.00	1.17		Turf
57447	15279	IRR							3.50	13.97	262.20	18.30		MCO well #5; Duty of base rt. = 3.99114 AF/ac
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	8	22	21			25.00	0.77		
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SE	8	22	21			0.00	0.00		Onion
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SE	8	22	21			4.00	0.12		
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SW	9	22	21			15.00	0.46		Garlic
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SW	9	22	21			40.00	1.23		Onion
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SW	9	22	21			38.00	1.17		Onion
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SW	9	22	21			25.00	0.77		Garlic
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	9	22	21			40.00	0.81		Turf
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SE	9	22	21			40.00	0.82		Old onion
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	NW	16	22	21			20.00	0.61		Old onion
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	NW	16	22	21			15.00	0.46		Turf
57448	15280	I&D							1.38	5.50	262.20	7.22		MCO well #5; Actually 1.375 ac.

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES (AF)	DUTY ADJ.	UNITS USED	DUTY USED	MCO PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T						
57664	15412	I&D	Cieri, Diane & Richard J.	NW	SE	16	22	21	2.00	8.00	2.00	6.00	Estimated; House, garden and landscaping
57899	E-PER	ENV	The Boeing Company	E2		12	22	21	**	80.65	**	8.87	Area "D"; Meter and monthly reporting required.
58507	14042	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	1.46		0.00	0.00	
58507	14042	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.78		0.00	0.00	
58507	14042	IRR							2.24	8.96	0.00	0.00	MCO well #2; ABR by 66174-T, this area.
58508	14043	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	8.43		0.00	0.00	
58508	14043	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	4.57		0.00	0.00	
58508	14043	IRR							13.00	52.00	0.00	0.00	
58509	14044	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	0.37		0.00	0.00	
58509	14044	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.28		0.00	0.00	
58509	14044	IRR							0.65	2.60	0.00	0.00	
60916	E-PER	ENV	The Boeing Company			7	22	22					
60916	E-PER	ENV	The Boeing Company	E2		12	22	21					
60916	E-PER	ENV	The Boeing Company	SW		12	22	21					
60916	E-PER	ENV	The Boeing Company	SE		11	22	21					
60916	E-PER	ENV	The Boeing Company	N2		13	22	21					
60916	E-PER	ENV	The Boeing Company	NE		14	22	21					
60916	E-PER	ENV							**	322.87	**	27.11	Area "D"; Meter and monthly reporting required.
61923	PER	I&D	Cochrane, Jack	NE	SE	9	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	NW	NW	10	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	NE	NE	16	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	SE	NE	16	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	SW	NW	15	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	NE	SW	15	22	21			0.00	0.00	
61923	PER	I&D	Cochrane, Jack	NW	SW	15	22	21			20.00	15.23	Garlic
61923	PER	I&D	Cochrane, Jack	SW	SW	15	22	21			20.00	15.23	Garlic
61923	PER	I&D	Cochrane, Jack	SE	SW	15	22	21			0.00	0.00	
61923	PER	I&D							10.00	40.00	40.00	30.46	
62598	PER	IRR	Washoe County	E2	SE	9	22	21					
62598	PER	IRR	Washoe County	NW	NW	10	22	21					
62598	PER	IRR	Washoe County	SW	NW	15	22	21					

WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO	REMARKS / CULTURE
				Q1	Q2	SEC T	R						
62598	PER	IRR	Washoe County		SW	15 22 21							
62598	PER	IRR	Washoe County	E2	E2	16 22 21		2.00	8.00	0.00	0.00		Not used per well owner
62598	PER	IRR	Washoe County		E2	SE 9 22 21							Meter required
62599	PER	IRR	Washoe County		NW	NW 10 22 21							
62599	PER	IRR	Washoe County		SW	NW 15 22 21							
62599	PER	IRR	Washoe County		SW	15 22 21							
62599	PER	IRR	Washoe County	E2	E2	16 22 21							
62599	PER	IRR	Washoe County					2.00	8.00	2.00	6.85		Garlic
62599	PER	IRR											Same well as 40587; Meter failed, submitted figures.
62600	PER	IRR	Palomino Valley Estates, Inc. & Washoe C E2	SE	9 22 21								
62600	PER	IRR	Palomino Valley Estates, Inc. & Washoe C NW	NW	10 22 21								
62600	PER	IRR	Palomino Valley Estates, Inc. & Washoe C SW	NW	15 22 21								
62600	PER	IRR	Palomino Valley Estates, Inc. & Washoe Co.	SW	15 22 21								
62600	PER	IRR	Palomino Valley Estates, Inc. & Washoe C E2	E2	16 22 21								
62600	PER	IRR						2.00	8.00	2.00	6.85		
62601	PER	IRR	Cochrane, Jack	NE SE	9 22 21								
62601	PER	IRR	Cochrane, Jack	NW NW	10 22 21								
62601	PER	IRR	Cochrane, Jack	NE NE	16 22 21								
62601	PER	IRR	Cochrane, Jack	SE NE	16 22 21								
62601	PER	IRR	Cochrane, Jack	SW NW	15 22 21								
62601	PER	IRR	Cochrane, Jack	NE SW	15 22 21								
62601	PER	IRR	Cochrane, Jack	NW SW	15 22 21								
62601	PER	IRR	Cochrane, Jack	SW SW	15 22 21								
62601	PER	IRR	Cochrane, Jack	SE SW	15 22 21								
62601	PER	IRR						15.00	60.00	40.00	30.46		
62602	PER	IRR	Cochrane, Jack	NE SE	9 22 21								
62602	PER	IRR	Cochrane, Jack	NW NW	10 22 21								
62602	PER	IRR	Cochrane, Jack	NE NE	16 22 21								
62602	PER	IRR	Cochrane, Jack	SE NE	16 22 21								
62602	PER	IRR	Cochrane, Jack	SW NW	15 22 21								
62602	PER	IRR	Cochrane, Jack	NE SW	15 22 21								
62602	PER	IRR	Cochrane, Jack	NW SW	15 22 21								
62602	PER	IRR	Cochrane, Jack	SW SW	15 22 21								
62602	PER	IRR	Cochrane, Jack	SE SW	15 22 21								
62602	PER	IRR											

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	S'AT	MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES		DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO	REMARKS / CULTURE
				Q1	Q2	SEC	T	R	ACRES	(AF)	ADJ.	USED	PAR. #				
62602	PER	IRR								3.29	13.16	40.00	40.00	10.02			
62603	PER	IRR	Cochrane, Jack						NE SE	9 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						NW NW	10 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						NE NE	16 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						SE NE	16 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						SW NW	15 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						NE SW	15 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						NE SW	15 22 21		0.00	0.00				
62603	PER	IRR	Cochrane, Jack						NW SW	15 22 21		20.00	0.32				
62603	PER	IRR	Cochrane, Jack						SW SW	15 22 21		20.00	0.32				
62603	PER	IRR	Cochrane, Jack						SE SW	15 22 21		0.00	0.00				
62603	PER	IRR									0.21	0.84	40.00	40.00	0.64		
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NE SE	9 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NW NW	10 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NE NE	16 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						SE NE	16 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						SW NW	15 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NE SW	15 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NE SW	15 22 21		0.00	0.00				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						NW SW	15 22 21		20.00	11.42				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						SW SW	15 22 21		20.00	11.42				
62604	PER	IRR	Cochrane, Jack & Capurro, George J.						SE SW	15 22 21		0.00	0.00				
62604	PER	IRR									7.50	30.00	40.00	40.00	22.85		
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						NE SE	9 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						NW NW	10 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						NE NE	16 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						SE NE	16 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						SW NW	15 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						NE SW	15 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						NW SW	15 22 21		0.00	0.00				
62605	ABR	IRR	Capurro, George J. & Elaine Kinerson						SE SW	15 22 21		0.00	0.00				
62605	ABR	IRR									0.00	0.00	0.00	0.00	0.00		
62606	ABR	IRR	Capurro, George J. & Elaine Kinerson						NE SE	9 22 21		0.00	0.00				
62606	ABR	IRR	Capurro, George J. & Elaine Kinerson						NW NW	10 22 21		0.00	0.00				
62606	ABR	IRR	Capurro, George J. & Elaine Kinerson						NE NE	16 22 21		0.00	0.00				
62606	ABR	IRR									0.00	0.00	0.00	0.00	0.00		
62606	ABR	IRR														ABR by 65727, South area.	

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			Q1	Q2	SEC	T	R	ACRES	(AF)	DUTY	SUPP	UNITS	DUTY	SUPP	PAR. #	REMARKS / CULTURE																	
				Q1	Q2	SEC																															
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	SE	NE	16	22	21																									0.00	0.00			
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	SW	NW	15	22	21																									0.00	0.00			
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	NE	SW	15	22	21																									0.00	0.00			
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	NW	SW	15	22	21																									0.00	0.00			
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	SW	SW	15	22	21																									0.00	0.00			
62606	ABR	IRR	Capuro, George J. & Elaine Kinerison	SE	SW	15	22	21																									0.00	0.00			
62606	ABR	IRR																																			
62640	PER	IRR	Phungphiphadhana, Steph & Spence	NE	SE	14	22	21																									0.00	0.00			
62640	PER	IRR	Phungphiphadhana, Steph & Spence	NW	SE	14	22	21																									0.00	0.00			
62640	PER	IRR																																			
62641	PER	IRR	Phungphiphadhana, Steph & Spence	NE	SE	14	22	21																									0.00	0.00			
62641	PER	IRR	Phungphiphadhana, Steph & Spence	NW	SE	14	22	21																									0.00	0.00			
62641	PER	IRR																																			
62771	PER	IRR	Cochrane, Jack	NE	SE	9	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	NW	NW	10	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	NE	NE	16	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	SE	NE	16	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	SW	NW	15	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	NE	SW	15	22	21																									0.00	0.00			
62771	PER	IRR	Cochrane, Jack	NW	SW	15	22	21																									20.00	18.22			
62771	PER	IRR	Cochrane, Jack	SW	SW	15	22	21																									20.00	18.22			
62771	PER	IRR	Cochrane, Jack	SE	SW	15	22	21																									0.00	0.00			
62771	PER	IRR																																		11.96	47.82
62772	PER	IRR	Cochrane, Jack	NE	SE	9	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	NW	NW	10	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	NE	NE	16	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	SE	NE	16	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	SW	NW	15	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	NE	SW	15	22	21																									0.00	0.00			
62772	PER	IRR	Cochrane, Jack	NW	SW	15	22	21																									20.00	3.08			
62772	PER	IRR	Cochrane, Jack	SW	SW	15	22	21																									20.00	3.08			
62772	PER	IRR	Cochrane, Jack	SE	SW	15	22	21																									0.00	0.00			
62772	PER	IRR																																		2.02	40.00
62772	PER	IRR																																		8.08	6.15

ABR by 6572B, South area.

WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO	PAR. #	REMARKS / CULTURE.
				Q1	Q2	SEC	T	R									
62889	PER	IRR	Tehama Holdings Inc.	SW	NE	8	22	21	21.87		10.00	1.89					Turf
62889	PER	IRR	Tehama Holdings Inc.	SE	NE	8	22	21	40.26		40.00	7.55					Turf
62889	PER	IRR	Tehama Holdings Inc.	NE	NW	9	22	21	35.00		35.00	6.60					Turf
62889	PER	IRR	Tehama Holdings Inc.	NW	NW	9	22	21	35.00		35.00	6.60					Turf
62889	PER	IRR	Tehama Holdings Inc.	S2	N2	9	22	21	161.81		120.00	22.65					Turf
62889	PER	IRR							20.00	80.00		240.00	45.29				Well WT-1
62890	PER	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87		10.00	12.74					Turf
62890	PER	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26		40.00	50.95					Turf
62890	PER	IRR	Fahnestock Enterprises, Inc.	NE	NW	9	22	21	35.00		35.00	44.58					Turf
62890	PER	IRR	Fahnestock Enterprises, Inc.	NW	NW	9	22	21	35.00		35.00	44.58					Turf
62890	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81		120.00	152.85					Turf
62890	PER	IRR							135.00	540.00		240.00	305.71				Well WT-1
62898	PER	I&D	Lopez-Gonzalez, Max & Gail	SW	NE	4	22	21	1.00	4.00	0.00	0.00					No well; Meter required
63064	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00	0.00	0.00					ABR by 66178-T, this area.
63065	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.75	11.00	0.00	0.00					ABR by 66179-T, this area.
63070	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39	**	19.86					Area "C"; Meter and reporting required.	
63071	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39	**	21.76					Area "C"; Meter and reporting required.	
63072	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00	0.00	0.00					ABR by 66180-T, this area.
63074	PER	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.50	6.00	0.00	0.00					ABR by 66181-T, this area.
63203	PER	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87		10.00	5.19					Turf
63203	PER	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26		40.00	20.75					Turf
63203	PER	IRR	Fahnestock Enterprises, Inc.	NE	NW	9	22	21	35.00		35.00	18.16					Turf
63203	PER	IRR	Fahnestock Enterprises, Inc.	NW	NW	9	22	21	35.00		35.00	18.16					Turf
63203	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81		120.00	62.25					Turf
63203	PER	IRR							48.00	192.00		240.00	124.51				MCO #4
63222	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	4.75	19.00	0.00	0.00					ABR by 66182-T, this area.
63223	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00	0.00	0.00					ABR by 66183-T, this area.

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO	PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC	T	R									
63455	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00	0.00	0.00	0.00	0.00	ABR by 66184-T, this area.		
63456	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00	0.00	0.00	0.00	0.00	ABR by 66185-T, this area.		
63518	PER	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	8.00	**	11.56				Same well as 46199; Road maintenance	
63519	PER	IRR	Wright, Wanda C.	SW	SW	29	23	21	0.28	1.12	0.00	0.27				No irrigation, essentially domestic use.	
63520	PER	IRR	Wright, Wanda C.	SW	SW	29	23	21	0.96	3.84	0.00	0.93				No irrigation, essentially domestic use.	
63708	PER	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.50	10.00	0.00	0.00	0.00	0.00	ABR by 66186-T, this area.		
64265	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00	0.00	0.00	0.00	0.00	ABR by 66187-T, this area.		
64266	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00	0.00	0.00	0.00	0.00	ABR by 66188-T, this area.		
64267	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.00	12.00	0.00	0.00	0.00	0.00	ABR by 66189-T, this area.		
64268	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00	0.00	0.00	0.00	0.00	ABR by 66190-T, this area.		
64269	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.13	8.50	0.00	0.00	0.00	0.00	ABR by 66191-T, this area.		
64270	PER	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.13	12.50	0.00	0.00	0.00	0.00	ABR by 66192-T, this area.		
32	PER	I&D	Palomino Valley Estates, Inc.	E2	SE	9	22	21								Pasture grass, alfalfa & orchard	
				NW	NW	10	22	21								Pasture grass, alfalfa & orchard	
64501	PER	I&D	Palomino Valley Estates, Inc.	SW	NW	15	22	21								Pasture grass, alfalfa & orchard; Meter broken	
64501	PER	I&D	Palomino Valley Estates, Inc.	SW		15	22	21								Pasture grass, alfalfa & orchard; Meter broken	
64501	PER	I&D	Palomino Valley Estates, Inc.	E2	E2	16	22	21								Pasture grass, alfalfa & orchard; Meter broken	
64501	PER	I&D	Palomino Valley Estates, Inc.													Change of 53242, a portion; This area.	
64660	PER	I&D	Bonham, Harold F. & Sally M.	SW	NW	13	22	21								Pasture grass, alfalfa & orchard	
64660	PER	I&D	Bonham, Harold F. & Sally M.	SE	NW	13	22	21								Pasture grass, alfalfa & orchard	
64660	PER	I&D	Bonham, Harold F. & Sally M.	NE	SW	13	22	21								Pasture grass, alfalfa & orchard; Meter broken	
64660	PER	I&D	Bonham, Harold F. & Sally M.	NW	SW	13	22	21								Pasture grass, alfalfa & orchard; Meter broken	
64660	PER	I&D	Bonham, Harold F. & Sally M.													Same well as 40587; Meter failed, submitted figures.	

WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO PAR. #	REMARKS / CULTURE
				Q1	Q2	SEC							
65072	PER	I&D	Miller, Clel	SE	SW	10 22 21	10.00	40.00	0.00	0.00	0.00	Change of 52904; South area; Supplemental to 65073	
65073	PER	I&D	Miller, Clel	SE	SW	10 22 21	10.00	40.00	0.00	0.00	0.00	Change of 52903; South area; Supplemental to 65072 duty under 65072	
65095	PER	Q-M	Palomino Valley G.I.D.	NW	SE	32 23 21	**	1.00	**	**	1.45	Same well as 46199; Road maintenance	
65570	E-PER	ENV	The Boeing Company				7	22 22					
65570	E-PER	ENV	The Boeing Company	E2		12 22 21							
65570	E-PER	ENV	The Boeing Company	SW		12 22 21							
65570	E-PER	ENV	The Boeing Company	SE		11 22 21							
65570	E-PER	ENV	The Boeing Company	N2		13 22 21							
65570	E-PER	ENV	The Boeing Company	NE		14 22 21							
				**		117.40	**			**	4.76	Area "D"; Meter and monthly reporting required.	
65571	E-PER	ENV	The Boeing Company				7	22 22					
65571	E-PER	ENV	The Boeing Company	E2		12 22 21							
65571	E-PER	ENV	The Boeing Company	SW		12 22 21							
65571	E-PER	ENV	The Boeing Company	SE		11 22 21							
65571	E-PER	ENV	The Boeing Company	N2		13 22 21							
65571	E-PER	ENV	The Boeing Company	NE		14 22 21							
				**		129.00	**			**	8.34	Area "D"; Meter and monthly reporting required.	
65572	E-PER	ENV	The Boeing Company				7	22 22					
65572	E-PER	ENV	The Boeing Company	E2		12 22 21							
65572	E-PER	ENV	The Boeing Company	SW		12 22 21							
65572	E-PER	ENV	The Boeing Company	SE		11 22 21							
65572	E-PER	ENV	The Boeing Company	N2		13 22 21							
65572	E-PER	ENV	The Boeing Company	NE		14 22 21							
				**		56.40	**			**	5.87	Area "D"; Meter and monthly reporting required.	
65573	E-PER	ENV	The Boeing Company				7	22 22					
65573	E-PER	ENV	The Boeing Company	E2		12 22 21							
65573	E-PER	ENV	The Boeing Company	SW		12 22 21							
65573	E-PER	ENV	The Boeing Company	SE		11 22 21							
65573	E-PER	ENV	The Boeing Company	N2		13 22 21							
65573	E-PER	ENV	The Boeing Company	NE		14 22 21							
				**		40.30	**			**	0.58	Area "D"; Meter and monthly reporting required.	

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			Q1	Q2	SEC	T	R	ACRES	UNITS/ (AF)	DUTY SUPP ADJ.	UNITS USED	DUTY SUPP ADJ.	UNITS USED	DUTY SUPP ADJ.	MCO PAR. #	REMARKS / CULTURE
				NE	SE	NW														
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SE	NW	8	22	21				35.42		25.00	7.23				Onion
66143	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SE	SE	8	22	21				1.74		0.00	0.00				
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SW	SE	8	22	21				12.05		4.00	1.16				Garlic
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SE	9	22	21				40.35		15.00	4.34				Onion
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SW	9	22	21				40.39		40.00	11.56				Onion
66143	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SW	SW	9	22	21				40.26		38.00	10.99				Garlic
66143	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SW	SW	9	22	21				40.24		25.00	7.23				Turf
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SE	SW	9	22	21				40.32		40.00	7.66				Old onion
66143	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SE	SW	9	22	21				40.20		40.20	7.70				Old onion
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NE	NW	SE	16	22	21				40.18		20.00	5.78				Turf
66143	T-PER	I&D	Fahnestock Family Trust 05-94	NW	NW	NW	16	22	21				27.42		15.00	4.34				Turf
66143	T-PER	I&D											13.00		52.00	262.20	67.97			MCO well #5; From 528688, South area; EXP 5/11/01.
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SE	NW	8	22	21				35.42		25.00	3.89				Onion
66144	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SE	SE	8	22	21				1.74		0.00	0.00				
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SW	SE	8	22	21				12.05		4.00	0.62				Garlic
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SE	9	22	21				40.35		15.00	2.33				Onion
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SW	9	22	21				40.39		40.00	6.23				Onion
66144	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SW	SW	9	22	21				40.26		38.00	5.92				Garlic
66144	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SW	SW	9	22	21				40.24		25.00	3.89				Turf
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SE	SW	9	22	21				40.32		40.00	4.12				Old onion
66144	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SE	SE	9	22	21				40.20		40.20	4.14				Old onion
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NE	NW	SE	16	22	21				40.18		20.00	3.11				Turf
66144	T-PER	I&D	Fahnestock Family Trust 05-94	NW	NW	NW	16	22	21				27.42		15.00	2.33				Turf
66144	T-PER	I&D											7.00		28.00	262.20	36.60			MCO well #6; From 528699, South area; EXP 5/11/01.
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SE	NW	8	22	21				35.42		25.00	2.78				Onion
66145	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SE	SE	8	22	21				1.74		0.00	0.00				
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NE	SW	SE	8	22	21				12.05		4.00	0.44				Garlic
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SE	9	22	21				40.35		15.00	1.67				Onion
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SW	SW	9	22	21				40.39		40.00	4.45				Onion
66145	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SW	SW	9	22	21				40.26		38.00	4.23				Garlic
66145	T-PER	I&D	Fahnestock Family Trust 05-94	SE	SW	SW	9	22	21				40.24		25.00	2.78				Turf
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NW	SE	SW	9	22	21				40.32		40.00	2.95				Old onion
66145	T-PER	I&D	Fahnestock Family Trust 05-94	SW	SE	SE	9	22	21				40.20		40.20	2.96				Old onion
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NE	NW	SE	16	22	21				40.18		20.00	2.22				Turf
66145	T-PER	I&D	Fahnestock Family Trust 05-94	NW	NW	NW	16	22	21				27.42		15.00	1.67				Turf
66145	T-PER	I&D											5.00		20.00	262.20	26.14			MCO well #5; From 532633, South area; EXP 5/11/01.

## WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS / ACRES	DUTY (AF)	SUPP	UNITS	DUTY	MCO	REMARKS / CULTURE
				Q1	Q2	SEC	T	R	ACRES	ADJ.	USED	USED	PAR. #
66174	T-PER	I&D	Tehama Holdings Inc.	SE	NW	4	22	21	10.81		0.00	0.00	
66174	T-PER	I&D	Tehama Holdings Inc.	NE	SW	4	22	21	40.00		40.00	4.50	
66174	T-PER	I&D	Tehama Holdings Inc.	SE	SW	4	22	21	40.00		10.00	1.13	
66174	T-PER	I&D	Tehama Holdings Inc.	NE	NW	9	22	21	10.00		0.00	0.00	
66174	T-PER	I&D							2.24	8.96	8.96	50.00	5.63
													MCO well #2; From 58507, this area; EXP 5/11/01
66175	T-PER	IRR	Tehama Holdings Inc.	SE	NW	4	22	21	10.81		0.00	0.00	
66175	T-PER	IRR	Tehama Holdings Inc.	NE	SW	4	22	21	40.00		40.00	48.46	
66175	T-PER	IRR	Tehama Holdings Inc.	SE	SW	4	22	21	40.00		10.00	12.12	
66175	T-PER	IRR	Tehama Holdings Inc.	NE	NW	9	22	21	10.00		0.00	0.00	
66175	T-PER	IRR							24.11	96.44	96.44	50.00	60.58
													MCO well #2; From 57093(por), this area; EXP 5/11/01
66176	T-PER	I&D	Tehama Holdings Inc.	SE	NW	4	22	21	10.81		0.00	0.00	
66176	T-PER	I&D	Tehama Holdings Inc.	NE	SW	4	22	21	40.00		40.00	26.13	
66176	T-PER	I&D	Tehama Holdings Inc.	SE	SW	4	22	21	40.00		10.00	6.53	
66176	T-PER	I&D	Tehama Holdings Inc.	NE	NW	9	22	21	10.00		0.00	0.00	
66176	T-PER	I&D							13.00	52.00	52.00	50.00	32.66
													MCO well #2; From 58508, this area; EXP 5/11/01
66177	T-PER	I&D	Tehama Holdings Inc.	SE	NW	4	22	21	10.81		0.00	0.00	
66177	T-PER	I&D	Tehama Holdings Inc.	NE	SW	4	22	21	40.00		40.00	1.31	
66177	T-PER	I&D	Tehama Holdings Inc.	SE	SW	4	22	21	40.00		10.00	0.33	
66177	T-PER	I&D	Tehama Holdings Inc.	NE	NW	9	22	21	10.00		0.00	0.00	
66177	T-PER	I&D							0.65	2.60	2.60	50.00	1.63
													Cha. 63064(POU only), this area; EXP 5/11/01; Garlic
66178	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	2.00	8.00	37.75	6.65	
66179	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	2.75	11.00	37.75	9.15	
66180	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	1.00	4.00	37.75	3.33	
66181	T-PER	IRR	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	1.50	6.00	37.75	4.99	
66182	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	4.75	19.00	37.75	15.80	
66183	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	5.00	20.00	37.75	16.63	
66184	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	5.00	20.00	37.75	16.63	
													Cha. 63223(POU only), this area; EXP 5/11/01; Garlic
													Cha. 63455(POU only), this area; EXP 5/11/01; Garlic

WARM SPRINGS VALLEY CENTRAL: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE						DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	MCO PAR.#	REMARKS / CULTURE
				Q1	Q2	SEC	T	R	ACRES						
66185	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	1.00	4.00	4.00	37.75	3.33	Cha. 63456(POU only), this area; EXP 5/11/01; Garlic	
66186	T-PER	IRR	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	2.50	10.00	10.00	37.75	8.32	Cha. 63708(POU only), this area; EXP 5/11/01; Garlic	
66187	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	2.00	8.00	8.00	37.75	6.65	Cha. 64265(POU only), this area; EXP 5/11/01; Garlic	
66188	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	1.00	4.00	4.00	37.75	3.33	Cha. 64266(POU only), this area; EXP 5/11/01; Garlic	
66189	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	3.00	12.00	12.00	37.75	9.98	Cha. 64267(POU only), this area; EXP 5/11/01; Garlic	
66190	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	1.00	4.00	4.00	37.75	3.33	Cha. 64268(POU only), this area; EXP 5/11/01; Garlic	
66191	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	2.13	8.50	8.50	37.75	7.07	Cha. 64269(POU only), this area; EXP 5/11/01; Garlic	
66192	T-PER	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21	3.13	12.50	12.50	37.75	10.40	Cha. 64270(POU only), this area; EXP 5/11/01; Garlic	
66237	T-PER	I&D	Hallbauer, John B. & Sybal I.	NE	SE	16	22	21							See 40587; Cha. 55326, South area; EXP 8/23/01
66237	T-PER	I&D	Hallbauer, John B. & Sybal I.	SE	SE	16	22	21							
66237	T-PER	I&D								2.00	8.00	8.00	0.00	0.00	
66413	T-PER	IRR	Capurro, Capurro & Oppio	NE	SE	9	22	21	39.00	156.00	156.00	39.00	156.00	MCO #5, Cha. 55603(par), this area; EXP 9/21/01.	
DOMESTIC WELLS						101								113.12	Duty = 1.12 acre-feet per well (1000 gal/day)
COLUMN TOTALS														3940.73	
DUTY TOTALS														5422	3941

## WARM SPRINGS VALLEY SOUTH: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES			DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS	
				Q1	Q2	SEC	T	R	ACRES						
34668	10495	I&D	Gariador Brothers		NE	25	22	20	2.00	8.00		2.00	5.90	Alfalfa; ½ Ac. trees not in POU	
43006	11181	I&D	Sendall Family Trust		NE	NW	34	22	21	2.00	8.00		1.50	5.00	Pasture landscaping; Meter not required
50054	13051	I&D	McGuire, Kenneth L. & Sue C.		SE	NW	27	22	21	2.50	10.00		2.50	10.58	Alfalfa
50056	13610	I&D	Washoe County		SE	SE	36	22	20	1.00	4.00		0.00	0.00	Domestic and landscaping only.
50764	15254	I&D	Meredith, Marjorie		SW	NW	3	21	22						Irrigated from other sources Grass pasture/hay.
50764	15254	I&D	Meredith, Marjorie	I&D	NW	SW	3	21	22						
52202	13311	IRR	Avila, Robert J.		NW	SE	22	22	21	4.00	16.00		4.00	28.97	Alfalfa; Same well as 52242
37	52842	13312	I&D	Avila, Robert J.	NW	SE	22	22	21	1.00	4.00		1.00	7.24	Alfalfa; Same well as 52202
	52868	13916	I&D	Wendland, Dave & Donna	NW	NE	21	22	21	13.00	52.00		0.00	0.16	See 52869 & 53263; ABR by 66143-T, Central area.
52869	13917	I&D	Wendland, Dave & Donna		NW	NE	21	22	21	7.00	28.00		0.00	0.09	See 52868 & 53263; ABR by 66144-T, Central area.
52903	ABR	I&D	Miller, Clel		NW	NE	19	22	22	0.00	0.00		0.00	0.00	Change of 30111; Changed by 65073; Central area.
52904	ABR	I&D	Miller, Clel		NW	NE	19	22	22	0.00	0.00		0.00	0.00	Change of 30112; Changed by 65072; Central area.
53243	ABR	IRR	Palomino Valley GID		NE	NW	23	22	21	0.00	0.00		0.00	0.00	Changed by 65095; Central area.
53263	13918	I&D	Champion, Milton E. & Phyllis C.		NW	NE	21	22	21	5.00	20.00		0.00	0.06	See 52868 & 52869; ABR by 66145-T, Central area.
53275	14073	I&D	Soldati, John A. & Sheila L.		NE	NW	30	22	21	1.00	4.00		1.00	2.79	Pasture grass; Same well as 56472
53278	PER	IRR	Gleason, Gleason & Speck		SW	SW	30	22	21	2.50	10.00		0.00	0.00	Meter required
53343	PER	I&D	Walker, Urton & Washoe County		NW	SE	30	22	22						12.5 AFA dedicated to Washoe County House, barns and landscaping
53343	PER	I&D	Walker, Urton & Washoe County	I&D	SW	SE	30	22	22						
53864	PER	I&D	Washoe County		NE	SE	19	22	22						

## WARM SPRINGS VALLEY SOUTH: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	DUTY USED	REMARKS
				Q1	Q2	SEC					
53864	PER	I&D	Washoe County	NE	SW	19 22	22				
53864	PER	I&D	Washoe County	NW	SW	19 22	22				
53864	PER	I&D									1.00 4.00 0.00 House, corrals and landscaping.
54167	PER	I&D	Chang, Cherk H. & Jirovsky, James C.	SE	13	22	20	2.00	8.00	0.00	0.00 Meter required
54265	PER	I&D	Washoe County	NW	NW	25	22	21	0.25	1.00	0.00
											Meter required; Domestic use only from well.
55326	ABR	I&D	Haltbauer, John B. & Sybal I.	NE	NE	21	22	21	2.00	8.00	0.00
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	SE	SW	25	22	20			
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	SW	SE	25	22	20			
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	NW	NE	36	22	20			
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	NE	NW	36	22	20			
55483	PER	I&D									1.00 4.00 0.50 Washoe County por. is 2.5 acre-feet
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SW	NE	24	22	20			
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SE	NE	24	22	20			
55656	14987	IRR									1.00 4.00 0.50 0.46 Meter required
56284	PER	I&D	Newell Revocable Living Trust	NW	SE	6	21	22			
56284	PER	I&D	Newell Revocable Living Trust	SW	SE	6	21	22			
56284	PER	I&D	Newell Revocable Living Trust	NW	NE	7	21	22			
56284	PER	I&D	Newell Revocable Living Trust	SW	NE	7	21	22			
56284	PER	I&D									3.00 12.00 0.00 Bare foundation.
56472	PER	I&D	Solari, John A. & Sheila L.	NE	NW	30	22	21	1.00	4.00	1.00 2.79 Planted in pasture grass; Same well as 53275
56576	ABR	I&D	Walkins, John L.	SW	NW	25	22	21			
56576	ABR	I&D	Walkins, John L.	NW	SW	25	22	21			
56576	ABR	I&D									0.00 0.00 0.00 0.00 Changed by 66680; This area.
56927	PER	I&D	Washoe County	NE	NW	30	22	22			
56927	PER	I&D	Washoe County	SE	NW	30	22	22			
56927	PER	I&D	Washoe County	NE	SW	30	22	22			
56927	PER	I&D									1.25 5.00 0.00 0.00 House stables & landscaping

## WARM SPRINGS VALLEY SOUTH: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS
				Q1	Q2	SEC						
57526	PER	I&D	Washoe County	NE	NE	1	21	20				
57526	PER	I&D	Washoe County	NW	NE	1	21	20				
57526	PER	I&D	Washoe County	NE	NW	1	21	20				
57526	PER	I&D					1.00	4.00	0.00	0.00	0.00	Subdivided
57983	PER	I&D	Shreck, James L. & Connie M.	W2	SW	9	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	SE	SW	9	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	SE	SE	8	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	N2	NW	16	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	SW	NW	16	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	N2	SW	16	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	NE	NE	17	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	SW	NE	17	21	22				
57983	PER	I&D	Shreck, James L. & Connie M.	SE	NE	17	21	22				
57983	PER	I&D					1.00	4.00	0.50	0.50	1.14	Pasture, several bldgs. & ranch yard
58057	PER	I&D	Washoe County	NE	NE	1	21	20				
58057	PER	I&D	Washoe County	NW	NE	1	21	20				
58057	PER	I&D	Washoe County	NE	NW	1	21	20				
58057	PER	I&D					0.25	1.00	0.00	0.00	0.00	Subdivided
58359	PER	IRR	Speck, Gene E.	NE	NE	20	22	21				
58359	PER	IRR	Speck, Gene E.	NW	NE	20	22	21				
58359	PER	IRR	Speck, Gene E.	NE	NW	20	22	21				
58359	PER	IRR	Speck, Gene E.	NW	NW	20	22	21				
58359	PER	IRR					1.25	5.00	0.00	0.00	0.00	Meter required; Domestic use only.
58918	PER	I&D	Walker, Ramon G., et al	NE	NE	12	21	21				
58918	PER	I&D	Walker, Ramon G., et al	SE	NE	12	21	21				
58918	PER	I&D					1.00	4.00	1.00	1.00	0.00	Well installed; Locked shed.
60629	PER	IRR	McQuatters, Paula R. & William F.	NE	NE	34	22	21				
60629	PER	IRR	McQuatters, Paula R. & William F.	NE	NE	34	22	21				
60629	PER	IRR					1.00	4.00	8.00	0.00	0.00	Pasture being irrigated from Cottonwood Ck.
60975	E-PER	ENV	The Boeing Company	SW	SW	28	22	21				
60975	E-PER	ENV	The Boeing Company	NE	SE	29	22	21				
												Area "B"

WARM SPRINGS VALLEY SOUTH: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			Q1 SEC	Q2 SEC	T R	ACRES	UNITS/ (AF)	DUTY (ADJ.)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS	
60975	E-PER	ENV									"	16.13	"		0.36	Pumpage reported quarterly	
62425	PER	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20						15.00	10.60	Grass hay and stockwater	
62425	PER	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20						12.00	8.48	Grass hay and stockwater	
62425	PER	I&D										10.00	40.00		27.00	19.08	
62643	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20				1.25		1.25	0.10	Meter required	
62644	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20				2.50		2.50	0.21	Meter required	
63139	PER	IRR	Maykovich, John & Minako	NE	SE	7	21	22									
63139	PER	IRR	Maykovich, John & Minako	NW	SE	7	21	22									
63139	PER	IRR	Maykovich, John & Minako	SW	SE	7	21	22									
63139	PER	IRR	Maykovich, John & Minako	SE	SE	7	21	22									
63139	PER	IRR	Zenz, Donald J. & Donna R.	SE	SW	23	22	21									
63139	PER	IRR	Zenz, Donald J. & Donna R.	SE	SW	23	22	21									
63221	PER	IRR	Zenz, Donald J. & Donna R.	SE	SW	23	22	21									
63221	PER	IRR	Zenz, Donald J. & Donna R.	SE	SW	23	22	21									
63221	PER	IRR	Zenz, Donald J. & Donna R.	SE	SW	23	22	21									
63515	PER	Q-M	Palomino Valley G.I.D.	NW	NE	21	22	21				4.00			3.22	Same well as P-52868, et.al.	
63517	PER	Q-M	Palomino Valley G.I.D.	NW	NE	21	22	21				4.98			4.01	Same well as P-52868, et.al.	
64011	PER	IRR	F & M Family Trust	SW	SE	19	22	21				2.00		2.00	8.00	Meter not found; Pasture & large home.	
64067	PER	COM	Macaluso, Giuseppe	NE	NW	24	22	20				6.00			0.59	Boarding horses.	
64812	PER	I&D	Walker, Ramon G., et al	NW	SE	36	22	20						0.00	0.00		
64812	PER	I&D	Walker, Ramon G., et al	SW	SE	36	22	20						0.00	0.00	Well & house under construction.	
64812	PER	I&D										2.00	8.00		0.00	Change of 49445, a portion; West area.	
65580	PER	I&D	Pitts, Clifford M.	NW	NE	6	21	22						0.00	0.00	Domestic use only.	
65580	PER	I&D	Pitts, Clifford M.	SW	SE	31	22	22						0.00	0.00	Well, no meter.	
65680	PER	I&D										1.00	4.00		0.00	Change of 56576; This area.	
65726	PER	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20							15.00	2.65	Grass hay and stockwater

## WARM SPRINGS VALLEY SOUTH: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	DUTY USED	REMARKS	
				Q1	Q2	SEC	T						
65726	PER	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	2.50	10.00	12.00	2.12	Grass hay and stockwater
65726	PER	I&D									27.00	4.77	Change of 62604, a portion; Central area.
65727	PER	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20			15.00	5.30	Grass hay and stockwater
65727	PER	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20			12.00	4.24	Grass hay and stockwater
65727	PER	I&D							5.00	20.00	27.00	9.54	Change of 62605; Central area.
65728	PER	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20			15.00	5.30	Grass hay and stockwater
65728	PER	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20			12.00	4.24	Grass hay and stockwater
65728	PER	I&D							5.00	20.00	27.00	9.54	Change of 62606; Central area.
DOMESTIC WELLS				209									
COLUMN TOTALS				359.13				0.00					364.82
DUTY TOTALS				359									365
234.08 Duty = 1.12 AF per well (1000 gal./day)													

## WARM SPRINGS VALLEY WEST: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS
				Q1	Q2	SEC	T						
27395	9317	REC	Air Sailing, Inc.	SW	SE	11	23	20	8.01			0.67	Travel trailers and shop (same POD as 35565).
35565	11087	REC	Air Sailing, Inc.	SW	SE	11	23	20	0.16			0.67	Same service and POD as 27395.
39593	PER	I&D	Marshall, Robert W. & Nannette	NW	SW	29	24	20					
39693	PER	I&D	Marshall, Robert W. & Nannette	S2	SW	29	24	20					
39593	PER	I&D	Marshall, Robert W. & Nannette	S2	NW	29	24	20					
39593	PER	I&D	Marshall, Robert W. & Nannette	E2	30	24	20						Supplemental to surface rights
39593	PER	I&D	Marshall, Robert W. & Nannette	N2	32	24	20						
39593	PER	I&D	Marshall, Robert W. & Nannette	S2	NW	33	24	20					
39593	PER	I&D	Marshall, Robert W. & Nannette	S2	33	24	20						Could not tell where this water was delivered to.
39593	PER	I&D	Marshall, Robert W. & Nannette	NW	NE	4	23	20					Likely new ground outside POU.
39593	PER	I&D							850.00	64.60		30.00	116.87 Pasture and hay
42	39849	PER	REC	Washeoe County	NE	SE	18	23	21		20.00		0.93 Regional shooting facility.
45095	10798	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	2.00	8.00		2.00	9.90 Alfalfa; Same POD as 51002
47562	12057	I&D	Bailey, Wayne E.	NE	SE	35	23	20	4.00	16.00		4.00	14.67 Pasture and wood lot.
47599	13820	IRR	Polizzi, Lewis H. & Nora	NW	SW	1	22	20	3.29	2.00		3.29	1.04 Orchard, reduced duty per acre.
48819	12354	STK	Intermountain Land Company	SW	SW	8	21	20	350	5.20		0	0.00 Not used, range fire.
49445	13822	IRR	Moore, Dennis R. - et.al.	NE	SE	15	22	20	3.00	12.00		0.00	0.15 Trees, portion changed by 64812; South area.
49669	11974	IRR	Intermountain Land Company	NW	NE	22	23	20	5.20			0.00	0.00 Supplemental to 49670
49669	11974	IRR	Intermountain Land Company	SW	NE	22	23	20	33.26			33.26	44.93 Alfalfa
49669	11974	IRR	Intermountain Land Company	SE	NE	22	23	20	2.40			2.40	3.24 Alfalfa
49669	11974	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62			0.00	0.00
49669	11974	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37			46.37	62.64 Alfalfa
49669	11974	IRR							133.85	235.40		82.03	110.82 Certificated duty = 1.7587 AF/ac.
49670	11975	IRR	Intermountain Land Company	NW	NE	22	23	20	5.20			0.00	0.00 Supplemental to 49669
49670	11975	IRR	Intermountain Land Company	SW	NE	22	23	20	33.26			33.26	57.26 Alfalfa; Por. ABR by 62166-T, exp. 10-27-97
49670	11975	IRR	Intermountain Land Company	SE	NE	22	23	20	2.40			2.40	4.13 Alfalfa
49670	11975	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62			0.00	0.00

## WARM SPRINGS VALLEY WEST; 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE				UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS	
				Q1	Q2	SEC	T							
49670	11975	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37		46.37	79.83	Alfalfa	
49670	11975	IRR						133.85	300.00		82.03	141.23	Certificated duty = 2.2413 AF/ac.	
51002	13241	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	3.00	12.00		3.00	14.84	Same POD as 45095
52089	PER	Q-M	Reno-Sparks Indian Colony	SE	NW	4	21	20		18.38		149	0.00	Supplemental to 53313 & 60214
53313	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20		183.70	18.38	149	67.37	Supplemental to 52089 & 60214
53346	PER	I&D	Carter & Washoe County	NE	SW	12	22	20						
53346	PER	I&D	Carter & Washoe County	NW	SW	12	22	20						
53346	PER	I&D	Carter & Washoe County						1.00	4.00		0.50	1.99	Landscaping, no crop
53677	14074	IRR	Wyatt, Dennis D.	SW	SW	26	23	20	1.30	5.20		0.00	0.10	No crop, alligator cribs; Same POD as 53678
53678	14075	IRR	Wyatt, Dennis D.	SW	SW	26	23	20	16.70	66.80		0.00	1.00	No crop, alligator cribs; Same POD as 53677
54166	ABR	I&D	Guidera, Leslie C.	SE	SE	35	23	20	0.00	0.00		0.00	0.00	Changed by 65500; This area.
54614	PER	I&D	Herold, Carl & Lurinda	NE	NE	14	23	20						
54614	PER	I&D	Herold, Carl & Lurinda	SE	NE	14	23	20						
54614	PER	I&D							1.50	6.00		0.50	4.17	Shed with some landscaping.
54615	PER	I&D	Fischer, Frances J.	NE	NE	14	23	20						
54615	PER	I&D	Fischer, Frances J.	SE	NE	14	23	20						
54615	PER	I&D							1.50	6.00		0.50	4.47	
54616	PER	I&D	Fischer, Frances J.	NE	NE	14	23	20						
54616	PER	I&D	Fischer, Frances J.	SE	NE	14	23	20						
54616	PER	I&D							1.00	4.00		0.50	2.98	Meter required
54889	14080	IRR	Dennis, Gregory E. & Michele C.	SW	NE	36	23	20	2.50	10.00		2.50	9.34	House and landscaping
56164	PER	I&D	Washoe County	SE	SW	12	22	20						
56164	PER	I&D	Washoe County	SW	SW	12	22	20						
56164	PER	I&D	Washoe County	SW	SE	12	22	20						
56164	PER	I&D	Washoe County	SE	SE	12	22	20						

## WARM SPRINGS VALLEY WEST: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS
				Q1	Q2	SEC						
56164	PER	I&D						0.63	2.50		0.00	0.00 Meter required
56930	PER	IRR	Stinson, George W.	NW	NE	6	22	21				
56930	PER	IRR	Stinson, George W.	SW	NE	6	22	21				
56930	PER	IRR	Stinson, George W.	NE	NW	6	22	21				
56930	PER	IRR	Stinson, George W.	SW	NW	6	22	21				
56930	PER	IRR	Stinson, George W.	SE	NW	6	22	21				
56930	PER	IRR						0.30	1.20		0.00	0.00 Meter required
56931	PER	IRR	Stinson, George W.	NW	NE	6	22	21				
56931	PER	IRR	Stinson, George W.	SW	NE	6	22	21				
56931	PER	IRR	Stinson, George W.	NE	NW	6	22	21				
56931	PER	IRR	Stinson, George W.	SW	NW	6	22	21				
56931	PER	IRR	Stinson, George W.	SE	NW	6	22	21				
56931	PER	IRR						1.80	7.20		0.00	0.00 Meter required
56934	PER	IRR	Stinson, George W.	NW	NE	6	22	21				
56934	PER	IRR	Stinson, George W.	SW	NE	6	22	21				
56934	PER	IRR	Stinson, George W.	NE	NW	6	22	21				
56934	PER	IRR	Stinson, George W.	SW	NW	6	22	21				
56934	PER	IRR	Stinson, George W.	SE	NW	6	22	21				
56934	PER	IRR						0.90	3.60		0.00	0.00 Meter required
56963	PER	IRR	Stinson, George W.	NW	NE	6	22	21				
56963	PER	IRR	Stinson, George W.	SW	NE	6	22	21				
56963	PER	IRR	Stinson, George W.	NE	NW	6	22	21				
56963	PER	IRR	Stinson, George W.	SW	NW	6	22	21				
56963	PER	IRR	Stinson, George W.	SE	NW	6	22	21				
56963	PER	IRR						2.00	8.00		0.00	0.00 Meter required
60214	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	165.32	165.32	149	0.00 Supplemental to 52089 & 53313
62642	PER	IRR	Jorgensen, Jerry R. & Laury R.	NE	NW	1	22	20				
62642	PER	IRR	Jorgensen, Jerry R. & Laury R.	NW	NW	1	22	20				
62642	PER	IRR	Jorgensen, Jerry R. & Laury R.	SW	NW	1	22	20				
62642	PER	IRR		SE	NW	1	22	20	0.50	2.00	0.00	Shop & landscaping; no well @ POD

Domestic use only.

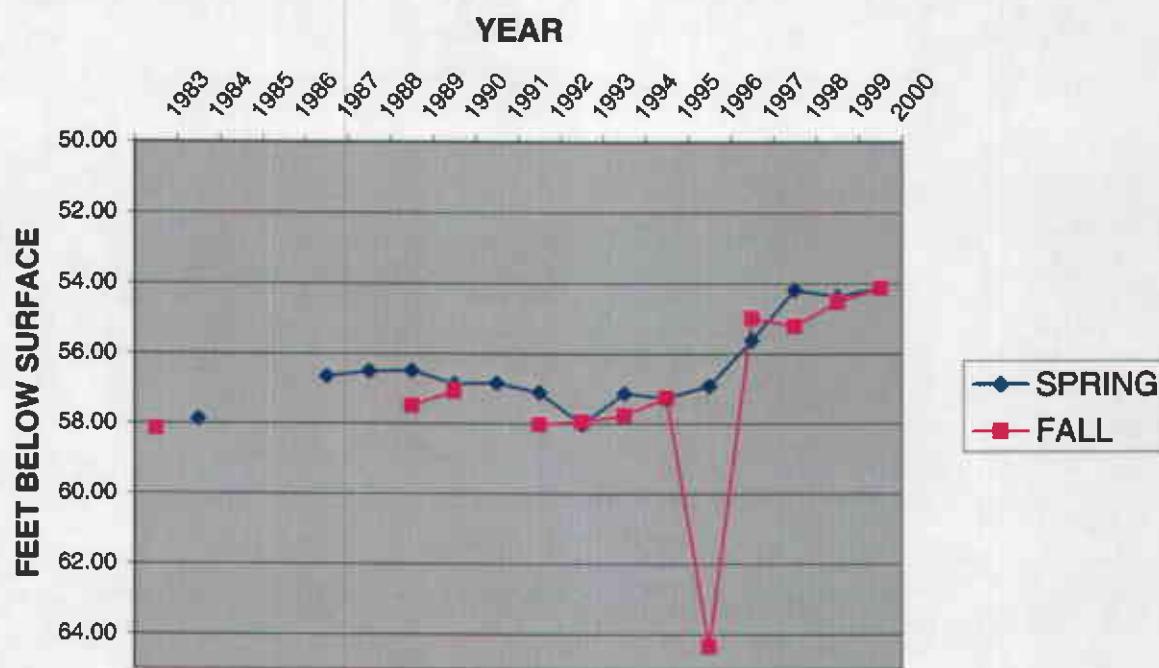
## WARM SPRINGS VALLEY WEST: 2000

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE			UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	REMARKS
				Q1	Q2	SEC	T	R				
62827	PER	I&D	Dalton, Janet L.	SE	SW	36	23	20	2.00	8.00	1.00	5.82 Trees, domestic & greenhouse
63309	PER	IRR	Davis, Donna M. & Titus, Annette Y.	NW	SE	3	22	20	1.00	4.00	0.00	0.00 Landscaping & 2 houses; domestic use only, no meter.
63782	PER	IRR	Jones, Gregory W. & Laura	SW	SW	2	22	20				
63782	PER	IRR	Jones, Gregory W. & Laura	SE	SW	2	22	20				
63782	PER	IRR							2.38	9.50	10.00	2.00 Water being "pirated" by neighbor. Meter required; No development
65500	PER	I&D	Guidera, Leslie C.	SE	SE	35	23	20	3.00	12.00	0.00	0.00 Change of 54166; This area; No use.
DOMESTIC WELLS							76				85.12	Duty = 1.12 AF per well (1000 GPD)
COLUMN TOTALS								1198.77	183.70		596.15	
DUTY TOTALS								1015			596	

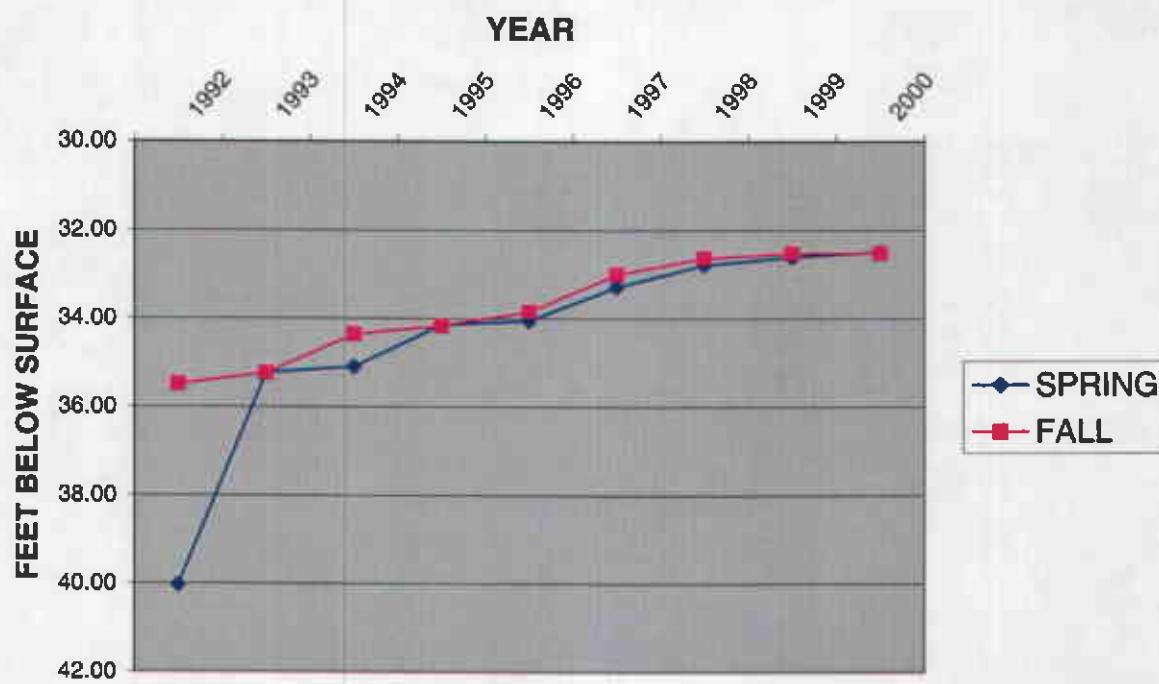
## **HYDROGRAPHS OF SELECTED WELLS**

(1983 TO PRESENT)

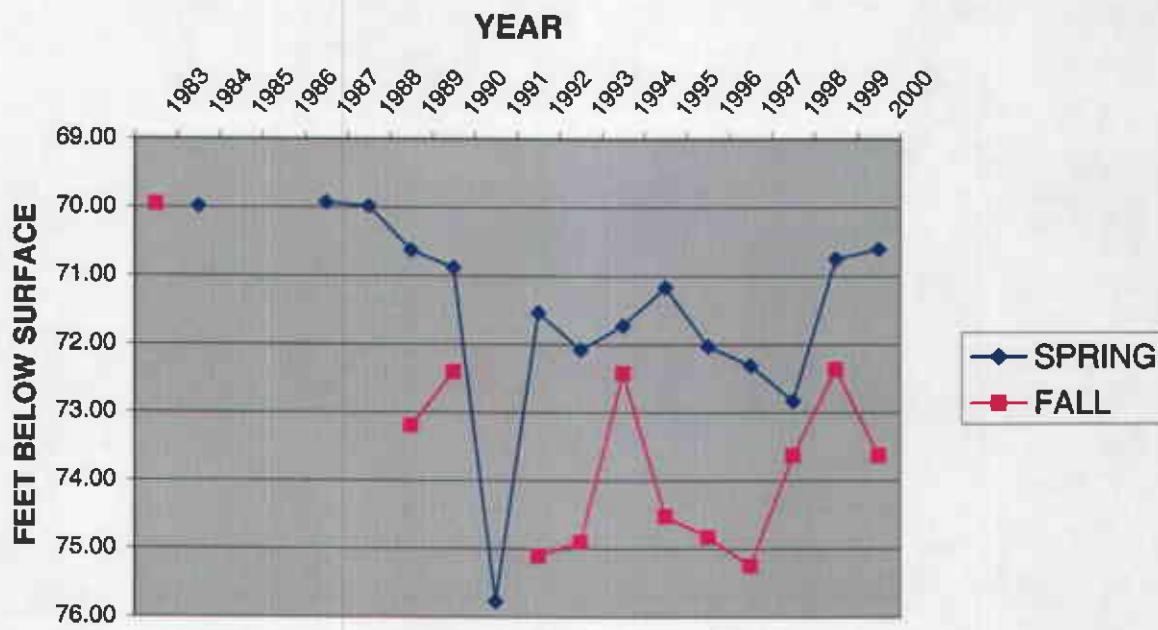
## WELL 212008ccad



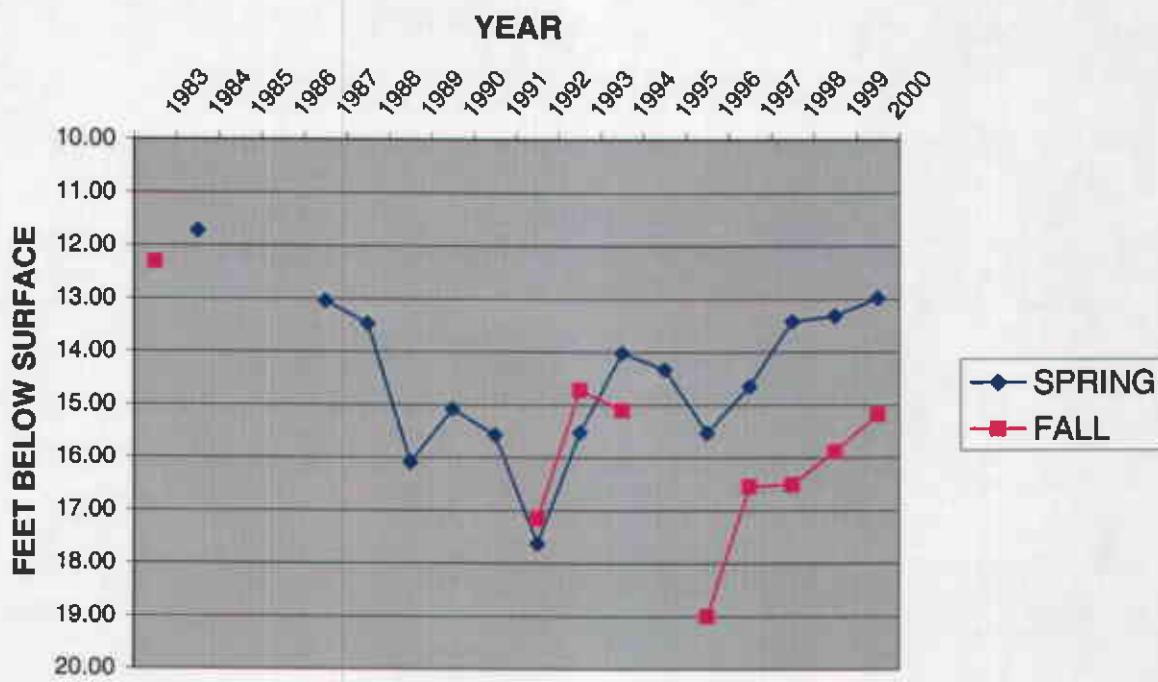
## WELL 212004ccc



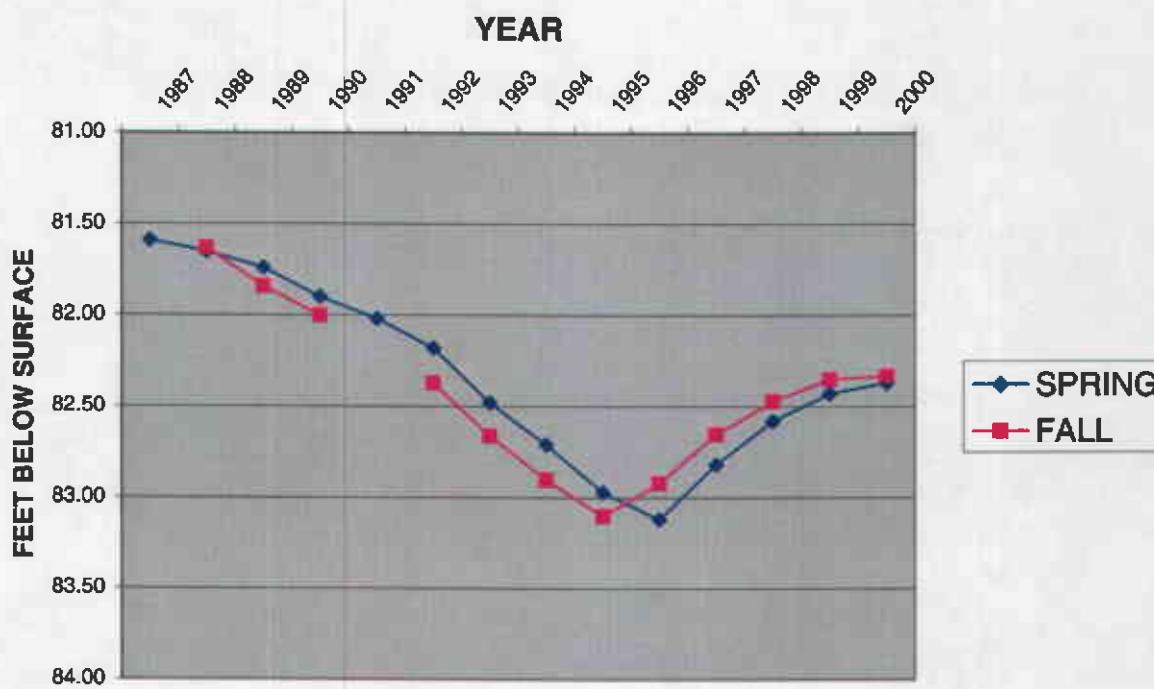
## WELL 222002cadd



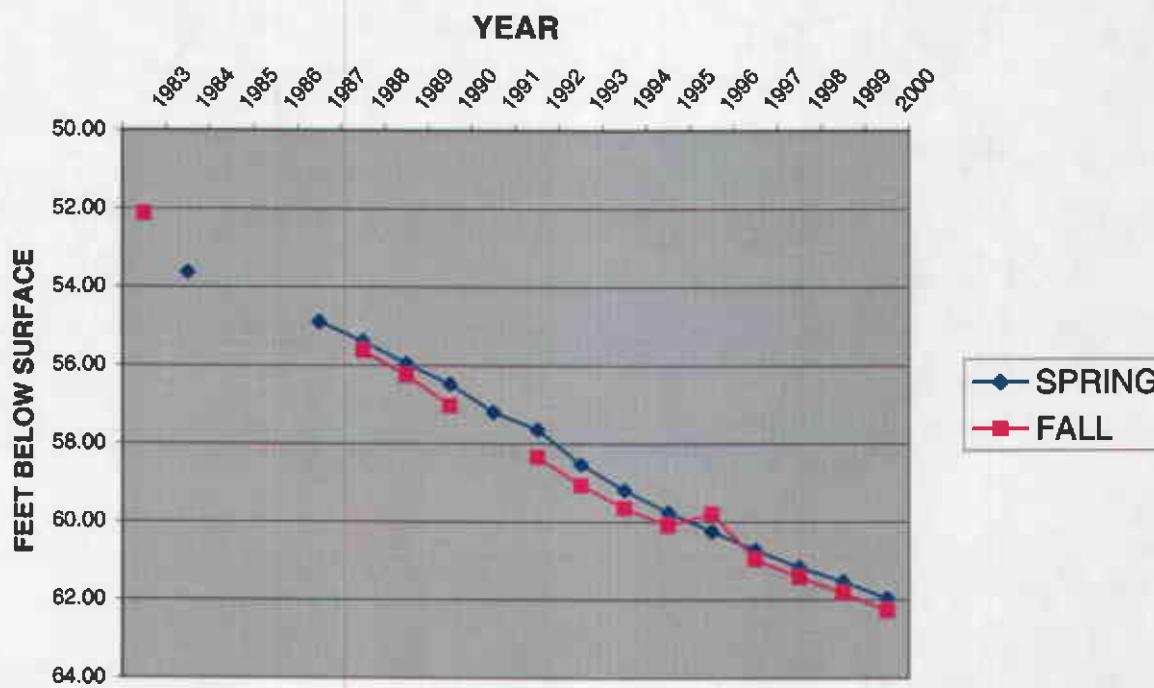
## WELL 232022abb



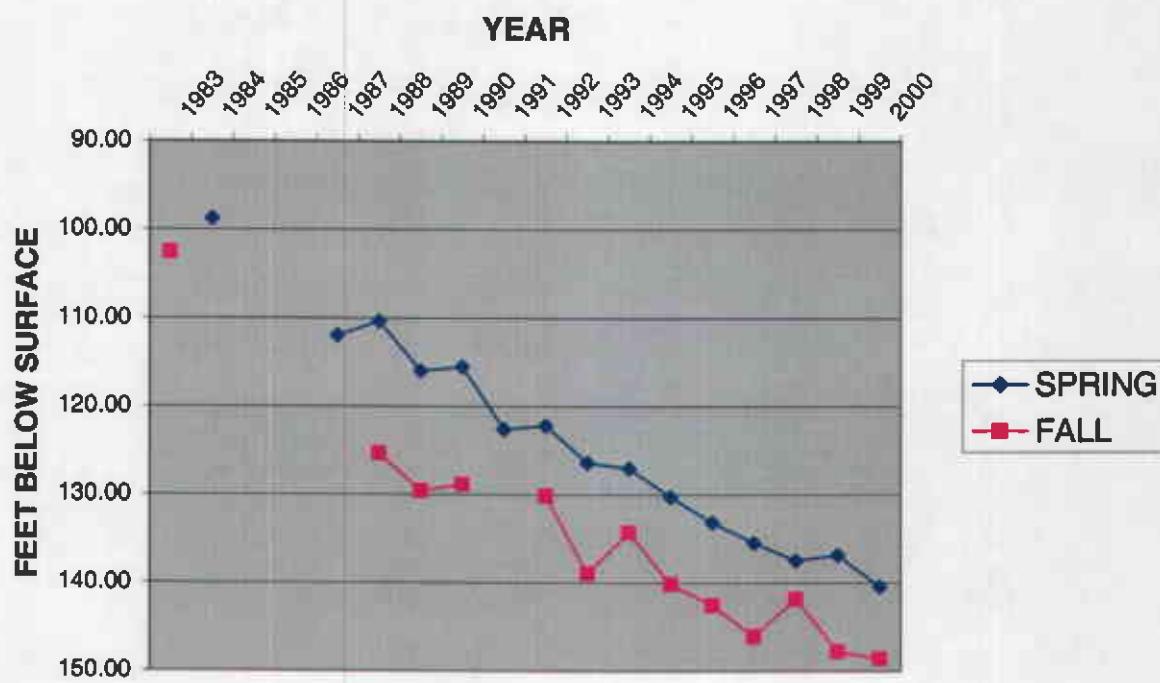
### WELL 232013abca



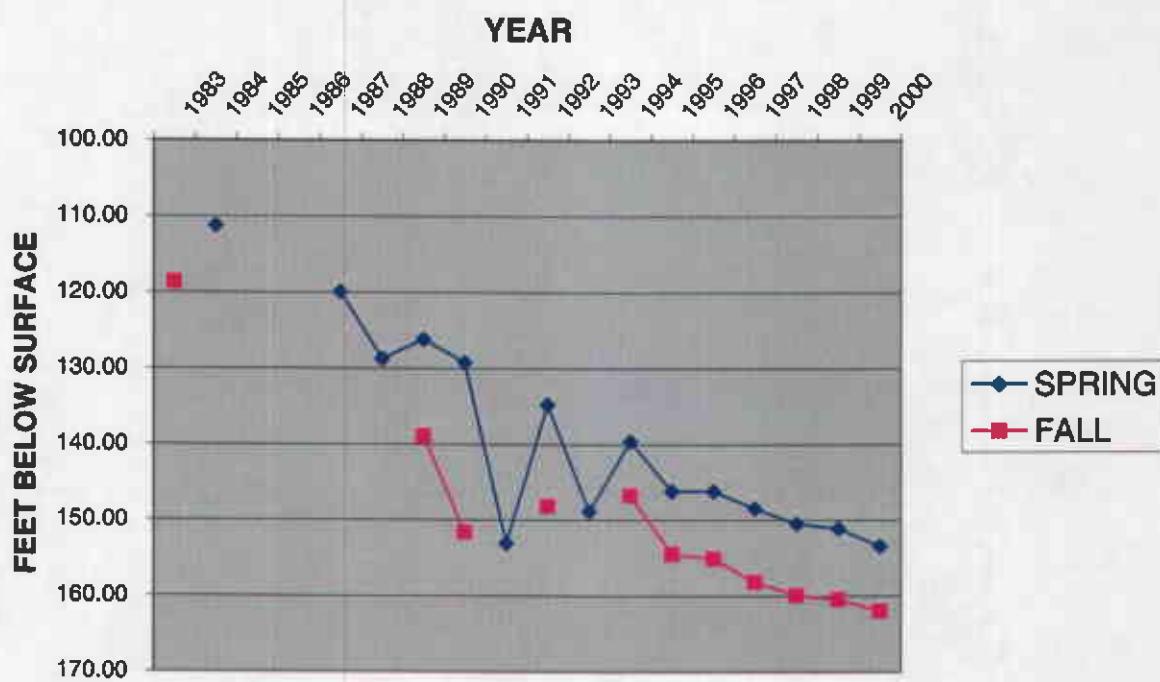
### WELL 232035abab



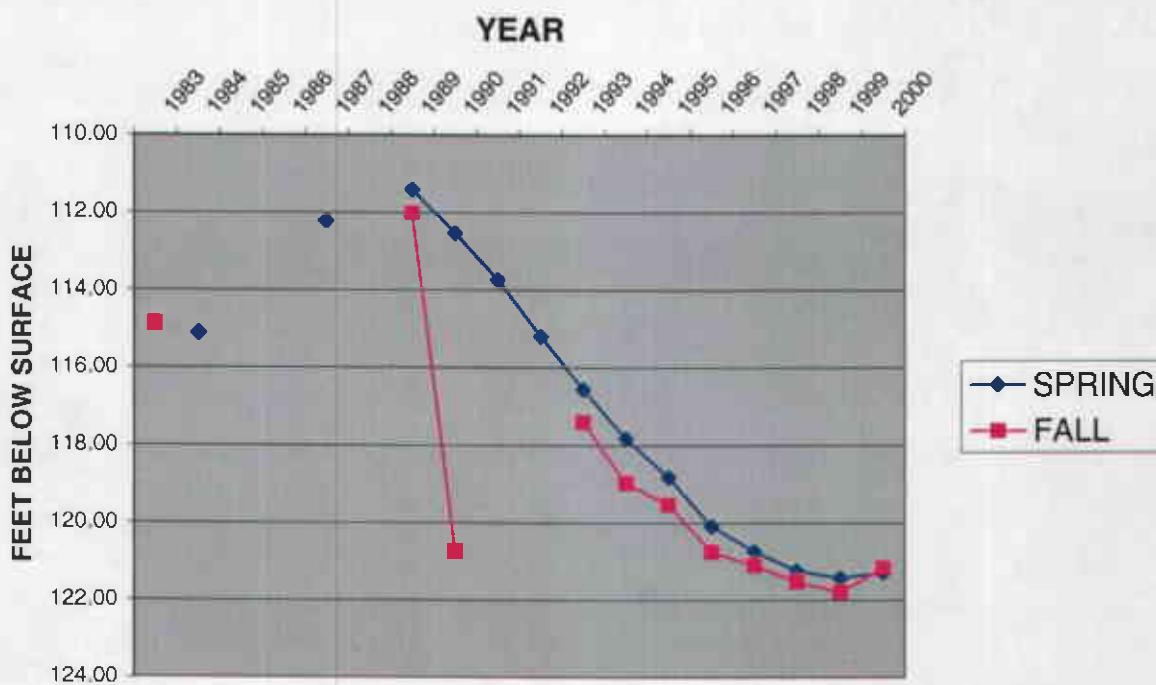
## WELL 222105ab



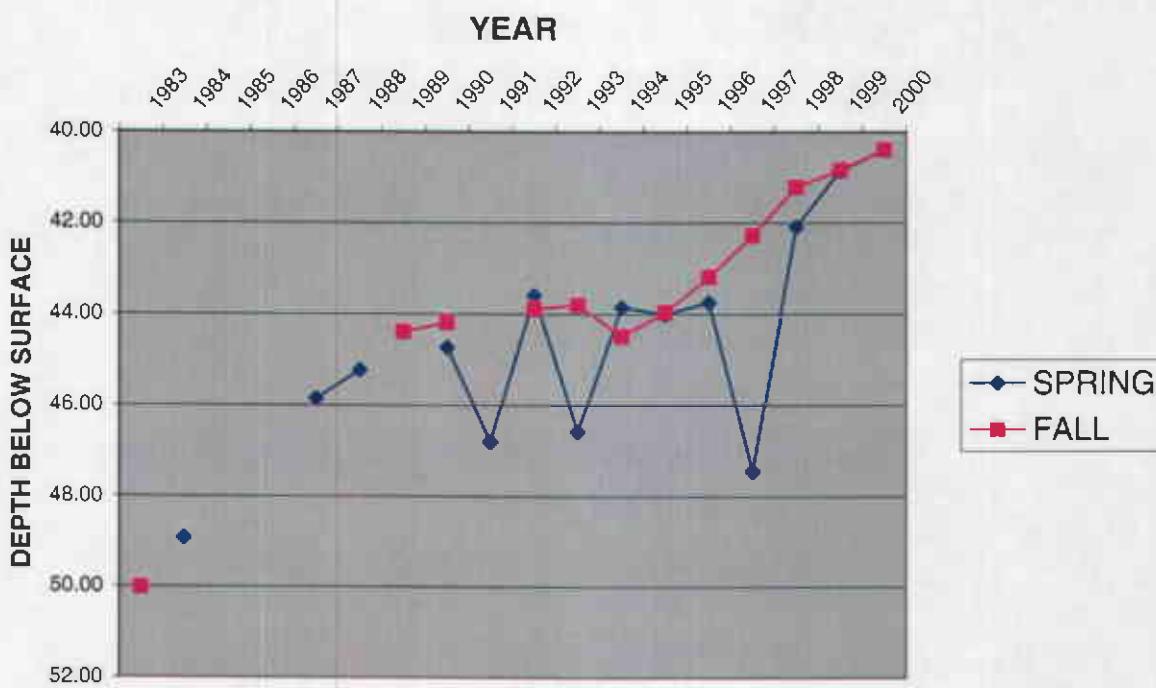
## WELL 222104dac



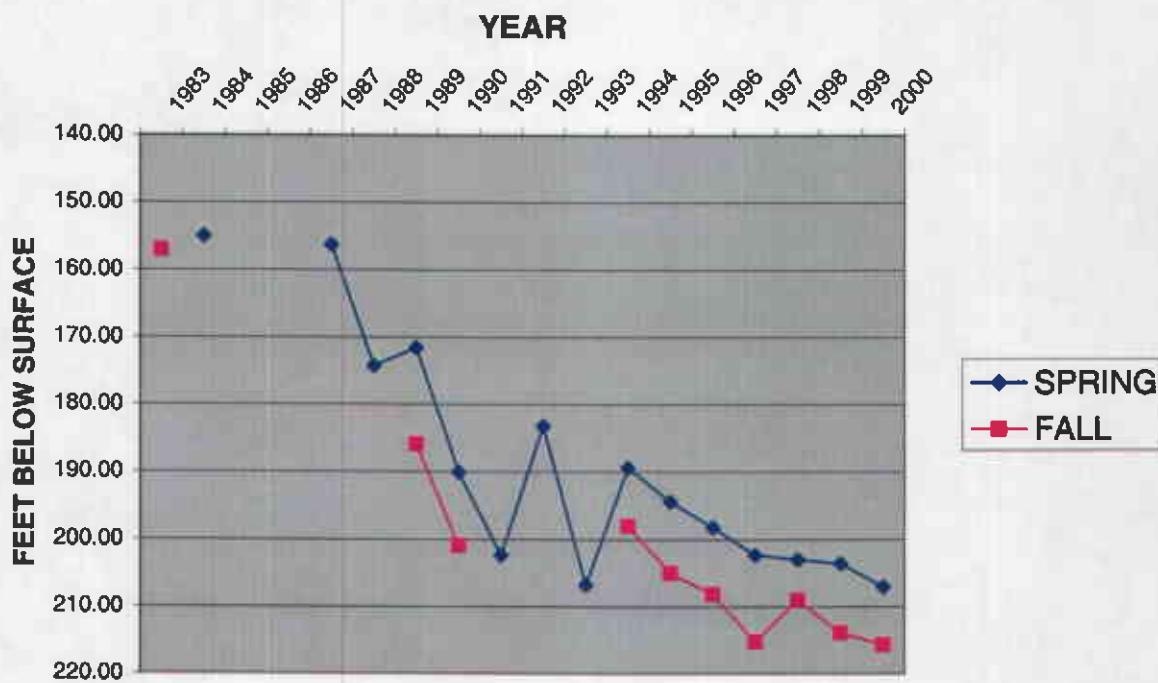
### WELL 222110cdd



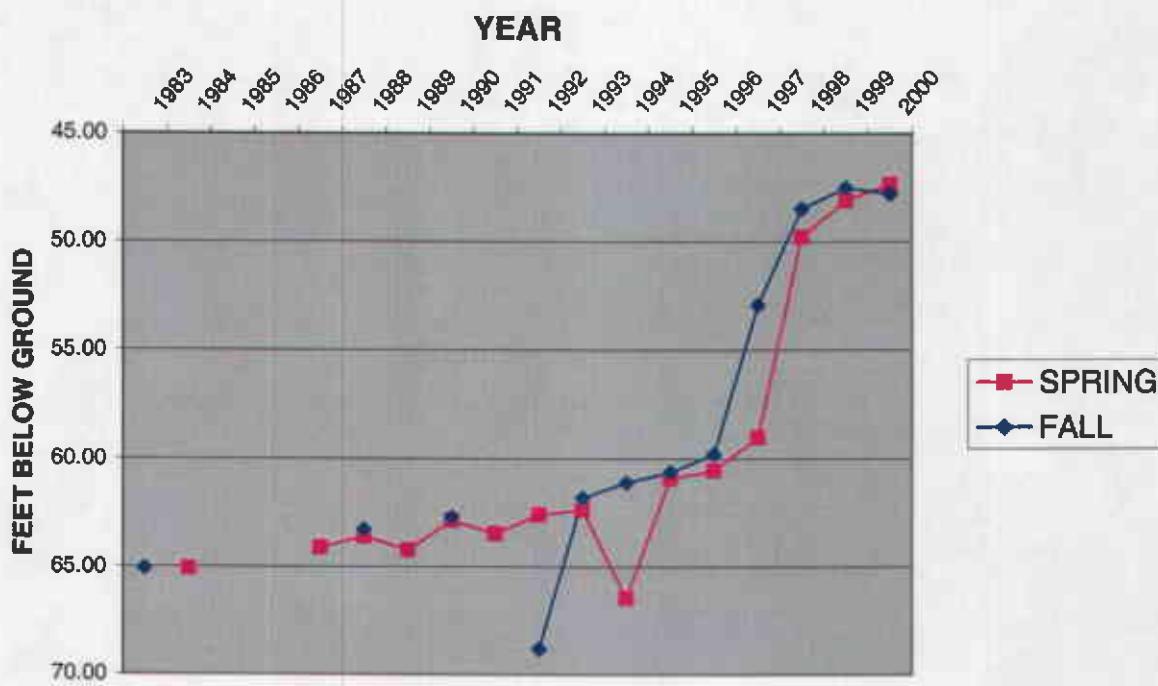
### WELL 222123cda



### WELL 222116bbd



### WELL 222116bbd



## **SELECTED BIBLIOGRAPHY**

- 1) Rush, E.F., and Glancy, P.A., 1967, Water resources Appraisal of the Warm Springs - Lemmon Valley Area, Washoe County, Nevada: Nevada Department of Conservation and Natural Resources, Water Resources - Reconnaissance Series Report 43.
- 2) Ross, W.C., 1997, Hydrology and Simulated Effects of Development in Warm Springs Valley, Washoe County, Nevada: Washoe County Department of Water Resources.
- 3) Katzer, T., 1997, Hydrogeology of Warm Springs Valley and Feasibility of Aquifer Recharge, Storage, and Recovery with Emphases (sic.) on the Marshall and Winnemucca Ranch Areas, Washoe County, Nevada: Prepared for Robert W. Marshall.